

Turning • Tools for External Turning and Internal Boring

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Modern machining operations performed on CNC machine tools and flexible production facilities require high-performance tools that provide straightforward design and application versatility. WIDIA™ offers an extensive range of toolholders for external turning to meet even the most exacting production demands across a broad spectrum of workpiece shapes and sizes.

Tools for External Turning



Whatever your operation requirements — from light finishing cuts at very high cutting speeds to heavy roughing applications — there is a WIDIA solution to meet your needs. The complete programme includes toolholders for pin-, screw-, or clamp-type holding.

D-Style Clamping

- Used for negative style inserts.
- Clamp assembly contains clamp, screw, and retaining ring.
- Quick insert indexing.
- Ensures insert repeatability and seating.
- Reduced chatter and extended tool life.

P-Style Clamping

- Lever-type clamping system for negative indexable inserts.
- No interference to chip flow.
- Fast insert changes.

P-style available in metric sizes only.



S-Style Clamping

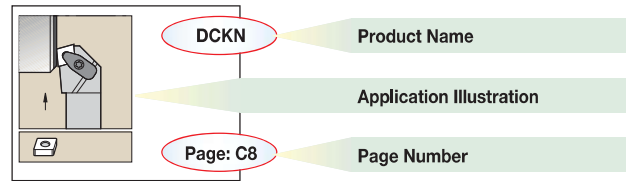
- Screw clamping system for positive indexable inserts.
- Compact design for high reliability and cost efficiency.
- Carbide shim for additional tool protection.

C-Style Clamping

- Height-adjustable clamp permits use of additional chipbreakers.
- Universal clamping system for positive and negative flat top inserts.
- Robust engineering makes it easy to handle.
- Carbide shim for extra tool protection.

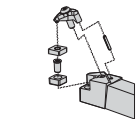


Each unique clamping system offers product options to fill your specific toolholder needs. Find the illustration that fits your application and navigate to the corresponding page to get the correct solution.



D-Style Clamping

D



One-piece clamp assembly holder for use with negative style inserts. An extremely rigid clamping system. The tool is protected by a carbide shim.

	DCKN 75° Page: C8		DCLN 95° Page: C9		DCRN 75° Page: C10		DCSN 45° Page: C10
	DDJN 93° Page: C11		DDNN 63° Page: C11		DRGN Page: C12		DSDN 45° Page: C12
	DSKN 75° Page: C13		DSRN 75° Page: C14		DSSN 45° Page: C15		DTFN 90° Page: C16
	DTGN 90° Page: C16		DVJN 93° Page: C17		DVON 117,5° Page: C18		DVVN 72,5° Page: C18
	DWLN 95° Page: C19						

P-Style Clamping

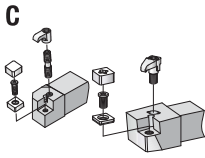
P



Lever-type clamping system for negative indexable inserts with hole to DIN 4988 and positive round inserts more than 20mm in diameter. Inserts with one- and two-side chip control geometries have positive rakes from 6° to 18°. Advantages of this system are fast insert changes and no interference with chip flow.

	PCBN 75° Page: C20		PCKN 75° Page: C21		PCLN 95° Page: C22		PDJN 93° Page: C23
	PDNN 62,5° Page: C24		PSBN 75° Page: C25		PSDN 45° Page: C26		PSKN 75° Page: C26
	PSSN 45° Page: C27		PTFN 90° Page: C28		PTGN 90° Page: C29		PWLN 95° Page: C30

C-Style Clamping

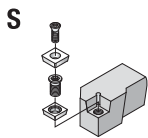


Top clamping system for negative and positive indexable inserts to DIN 4968. This universal clamping system is robust and easy to handle. Some height-adjustable clamps enable the use of additional chipbreakers. A carbide shim provides additional tool protection. Toolholders with cutting edge heights upwards of 16mm and insert ICs greater than 6,35mm.

	CCLN-MX 95° Page: C31		CCLN-MN 95° Page: C31		CCLN-MF 95° Page: C32		CDJN-MX 93° Page: C32
	CDJN-MN 93° Page: C33		CELN-MF 97,5° Page: C33		CELN-MN 97,5° Page: C34		CKJN Page: C34
	CRDN-MN Page: C35		CRSN-MN Page: C35		CSBP 75° Page: C36		CSDP 45° Page: C36
	CSSP 45° Page: C37		CTCP 90° Page: C37		CTDP 45° Page: C38		CTFP 90° Page: C38
	CTGP 90° Page: C39		CRDP* Page: C40		CRGP* Page: C41		

*Exact Clamping System not shown.

S-Style Clamping

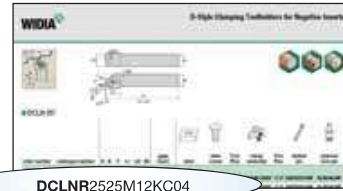


Screw clamping system for positive indexable inserts with countersunk hole to DIN 4967. Compact design using a minimum of spare parts for high reliability and cost efficiency. A carbide shim provides additional tool protection. Toolholders with cutting edge heights upwards of 16mm and insert ICs from 9,52mm are secured by means of a threaded bushing.

	SCLC 95° Page: C42		SCDP 45° Page: C42		SCLP 95° Page: C43		SDHC 107,5° Page: C43
	SDJC 93° Page: C44		SDNC 62,5° Page: C45		SRDC Page: C45		SSBC 75° Page: C46
	SSSC 45° Page: C47		STFC 90° Page: C48		SVHB 107,5° Page: C48		SVJB 93° Page: C49
	SVWB 72,5° Page: C49						

How Do Catalogue Numbers Work?

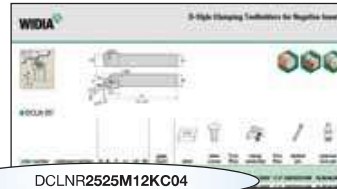
Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.



DCLNR2525M12KC04

D	C	L	N	R	
Insert Holding Method	Insert Shape	Tool Style or Lead Angle	Insert Clearance Angle	Hand of Tool	Additional Information
<p>D</p>	<p>A </p>	<p>A </p> <p>L </p>	<p>N </p>	<p>R =</p>	<p>C =</p>
<p>C</p>	<p>B </p>	<p>B </p> <p>P </p>	<p>B </p>	<p>Right hand</p>	<p>Deep pocket for ceramic insert</p>
<p>S</p>	<p>C </p>	<p>C </p> <p>Q </p>	<p>C </p>	<p>L =</p>	<p>S =</p>
<p>P</p>	<p>D </p>	<p>D </p> <p>R </p>	<p>P </p>	<p>N =</p>	<p>F =</p>
	<p>E </p>	<p>E </p> <p>S </p>	<p>D </p>	<p>R</p>	<p></p>
	<p>H </p>	<p>F </p> <p>U </p>	<p>E </p>	<p>L</p>	<p></p>
	<p>K </p>	<p>G </p> <p>V </p>	<p>F </p>	<p>N</p>	<p></p>
	<p>L </p>	<p>Y </p>			
	<p>M </p>				
	<p>O </p>				
	<p>P </p>				
	<p>R </p>				
	<p>S </p>				
	<p>T </p>				
	<p>V </p>				
	<p>W </p>				

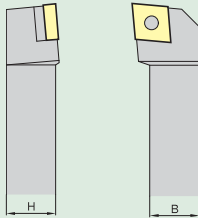
By referencing this easy-to-use guide, you can identify the correct product to meet your needs.



DCLNR2525M12KC04

25

Shank Dimensions



The seventh and eighth position shall be a significant two-digit number that indicates the holder cross section.

- If the dimension for the width "B" or the height "H" is represented by a one-digit number, a 0 (zero) will be used in front of it.

Example: 8,0mm = 08

25

M

Tool Length

L1	ISO
32	A
40	B
50	C
60	D
70	E
80	F
90	G
100	H
110	J
125	K
140	L
150	M
160	N
170	P
180	Q
200	R
250	S
300	T
350	U
400	V
450	W
500	Y
Special Design	X

12

Insert Size

KC

Additional Information












KC =
D-Style Clamping

04

Insert Thickness (optional)

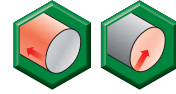
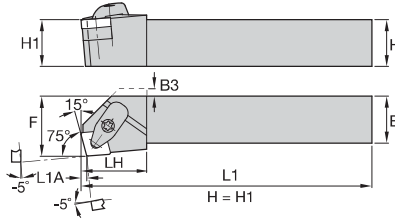
04 = 4,76mm
06 = 6,35mm

Cutting Edge Length L10

H Hexagon 120°		C Rhomboid 80°	
O Octagon 135°		D 55°	
P Pentagon 108°		E 75°	
S Square 90°		M 86°	
T Triangular 60°		V 35°	
R Round —		W Trigon 80° with enlarged corner angles	
		L Rectangular 90°	
		A Parallelogram 85°	
		B 82°	
		K 55°	



See pages B30–B46 for inserts.

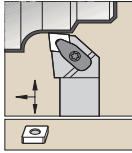


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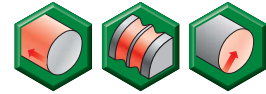
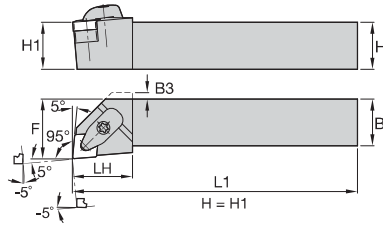
■ DCKN 75°



order number	catalogue number	H	B	F	L1	LH	L1A	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand																
5697856	DCKNR2020K12KC04	20	20	25,0	125	32,0	3,1	6,0	CN..120408	ICSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5697857	DCKNR2525M12KC04	25	25	32,0	150	32,0	3,1	—	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697858	DCKNR3225P12KC04	32	25	32,0	170	32,0	3,1	—	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697859	DCKNR3232P16KC06	32	32	40,0	170	32,0	3,8	—	CN..160612	ICSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
5697880	DCKNR3232P19KC06	32	32	40,0	170	38,0	4,6	—	CN..190612	ICSN643	KMSP625IP	25 IP	CM210R ASSY	25 IP	SSP025016M	KLM68L25IP
left hand																
5697853	DCKNL2020K12KC04	20	20	25,0	125	32,0	3,1	6,0	CN..120408	ICSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5697854	DCKNL2525M12KC04	25	25	32,0	150	32,0	3,1	—	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697855	DCKNL3225P12KC04	32	25	32,0	170	32,0	3,1	—	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP



See pages B30–B46 for inserts.

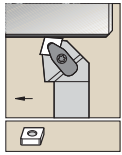


■ DCLN 95°

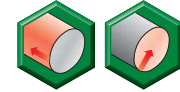
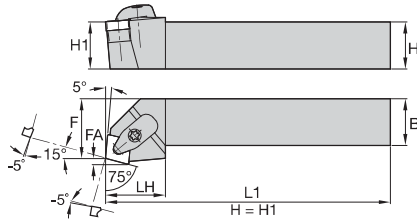
order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
5697890	DCLNR1616H09KC03	16	16	20,0	100	30,0	6,0	CN..090308	ICSN332	KMSP39IP	9 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5697891	DCLNR2020K09KC03	20	20	25,0	125	30,0	2,0	CN..090308	ICSN332	KMSP39IP	9 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5697892	DCLNR2020K12KC04	20	20	25,0	125	32,0	4,0	CN..120408	ICSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5697893	DCLNR2525M12KC04	25	25	32,0	150	32,0	—	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697894	DCLNR2525M16KC06	25	25	32,0	150	33,0	—	CN..160612	ICSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
5697895	DCLNR3232P16KC06	32	32	40,0	170	33,0	—	CN..160612	ICSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
5697896	DCLNR3232P19KC06	32	32	40,0	170	40,0	—	CN..190612	ICSN643	KMSP625IP	25 IP	CM210R ASSY	25 IP	SSP025016M	KLM68L25IP
5697897	DCLNR4040S19KC06	40	40	50,0	250	40,0	—	CN..190612	ICSN643	KMSP625IP	25 IP	CM210R ASSY	25 IP	SSP025016M	KLM68L25IP
5697898	DCLNR4040S25KC09	40	40	50,0	250	51,0	—	CN..250924	ICSN846	KMSP825IP	25 IP	CM236R ASSY	25 IP	SSP025018M	KLM81025IP
left hand															
5697881	DCLNL1616H09KC03	16	16	20,0	100	30,0	6,0	CN..090308	ICSN332	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5697882	DCLNL2020K09KC03	20	20	25,0	125	30,0	2,0	CN..090308	ICSN332	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5697883	DCLNL2020K12KC04	20	20	25,0	125	32,0	4,0	CN..120408	ICSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5697884	DCLNL2525M12KC04	25	25	32,0	150	32,0	—	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697885	DCLNL2525M16KC06	25	25	32,0	150	33,0	—	CN..160612	ICSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
5697886	DCLNL3232P16KC06	32	32	40,0	170	33,0	—	CN..160612	ICSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
5697887	DCLNL3232P19KC06	32	32	40,0	170	40,0	—	CN..190612	ICSN643	KMSP625IP	25 IP	CM210R ASSY	25 IP	SSP025016M	KLM68L25IP
5697888	DCLNL4040S19KC06	40	40	50,0	250	40,0	—	CN..190612	ICSN643	KMSP625IP	25 IP	CM210R ASSY	25 IP	SSP025016M	KLM68L25IP
5697889	DCLNL4040S25KC09	40	40	50,0	250	51,0	—	CN..250924	ICSN846	KMSP825IP	25 IP	CM236R ASSY	25 IP	SSP025018M	KLM81025IP

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Tools for External Turning and Internal Boring

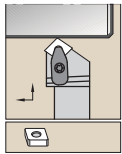


See pages B30–B46 for inserts.

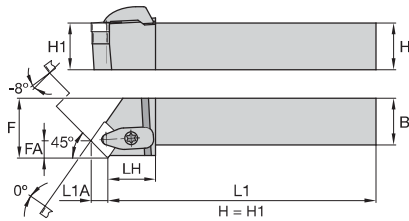


■ DCRN 75°

order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
5697903	DCRNR2020K12KC04	20	20	25,0	125	32,0	3,3	CN..120408	ICSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5697904	DCRNR2525M12KC04	25	25	32,0	150	32,0	3,3	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697905	DCRNR3225P12KC04	32	25	32,0	170	32,0	3,3	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697906	DCRNR3232P16KC06	32	32	40,0	170	38,0	4,1	CN..160612	ICSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
5697907	DCRNR3232P19KC06	32	32	40,0	170	38,0	4,9	CN..190612	ICSN643	KMSP625IP	25 IP	CM210R ASSY	25 IP	SSP025016M	KLM68L25IP
left hand															
5697899	DCRNL2020K12KC04	20	20	25,0	125	32,0	3,3	CN..120408	ICSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5697900	DCRNL2525M12KC04	25	25	32,0	150	32,0	3,3	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697901	DCRNL3225P12KC04	32	25	32,0	170	32,0	3,3	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697902	DCRNL3232P16KC06	32	32	40,0	170	38,0	4,1	CN..160612	ICSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP

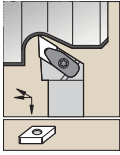


See pages B30–B46 for inserts.

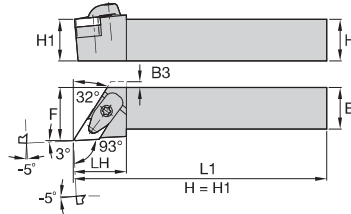


■ DCSN 45°

order number	catalogue number	H	B	F	L1	LH	FA	L1A	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand																
5697911	DCSNR2020K12KC04	20	20	25,0	125	35,0	8,2	8,5	CN..120408	ICSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5697913	DCSNR2525M12KC04	25	25	32,0	150	35,0	8,2	8,5	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
left hand																
5697908	DCSNL2020K12KC04	20	20	25,0	125	35,0	8,2	8,5	CN..120408	ICSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5697909	DCSNL2525M12KC04	25	25	32,0	150	35,0	8,2	8,5	CN..120408	ICSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP

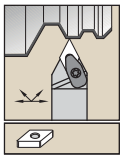


See pages B47–B64 for inserts.

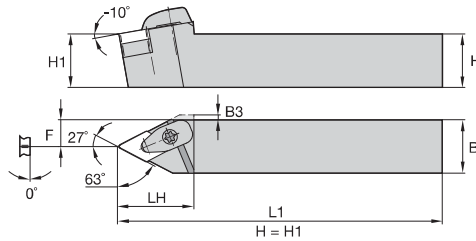


■ **DDJN 93°**

order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
5697924	DDJNR2020K11KC04	20	20	25,0	125	30,0	2,0	DN..110408	IDSN322	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5697926	DDJNR2020K15KC06	20	20	25,0	125	32,0	4,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697928	DDJNR2525M11KC04	25	25	32,0	150	30,0	—	DN..110408	IDSN322	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5697930	DDJNR2525M15KC06	25	25	32,0	150	32,0	—	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697932	DDJNR3225P15KC06	32	25	32,0	170	32,0	—	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5564336	DDJNR3232P15KC06	32	32	40,0	170	32,0	—	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
left hand															
5697915	DDJNL2020K11KC04	20	20	25,0	125	30,0	2,0	DN..110408	IDSN322	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5697916	DDJNL2020K15KC06	20	20	25,0	125	32,0	4,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697918	DDJNL2525M11KC04	25	25	32,0	150	30,0	—	DN..110408	IDSN322	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5697920	DDJNL2525M15KC06	25	25	32,0	150	32,0	—	DN..150608	IDSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697922	DDJNL3225P15KC06	32	25	32,0	170	32,0	—	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5564335	DDJNL3232P15KC06	32	32	40,0	171	32,0	—	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP



See pages B47–B64 for inserts.

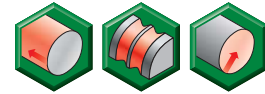
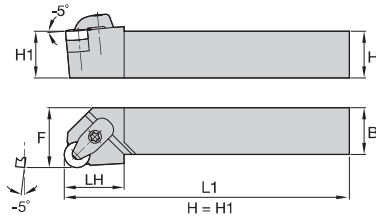


■ **DDNN 63°**

order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
5697940	DDNNR2020K15KC06	20	20	10,0	125	40,0	2,5	DN..150608	IDSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697942	DDNNR2525M15KC06	25	25	13,0	150	40,0	—	DN..150608	IDSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
left hand															
5697934	DDNNL2020K15KC06	20	20	10,0	125	40,0	2,5	DN..150608	IDSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697936	DDNNL2525M15KC06	25	25	13,0	150	40,0	—	DN..150608	IDSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697938	DDNNL3225P15KC06	32	25	13,0	170	40,0	—	DN..150608	IDSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP



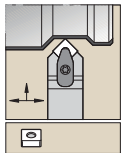
See pages B65–B67 for inserts.



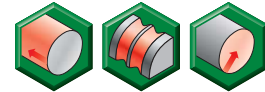
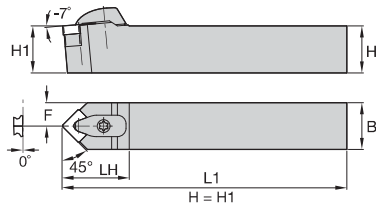
Tools for External Turning and Internal Boring

■ DRGN

order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin	
right hand															
5697948	DRGNR2525M12KC04	25	25	32,0	150	32,0	RN..120400	IRSN44	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP	
5697950	DRGNR3225P12KC04	32	25	32,0	170	32,0	RN..120400	IRSN44	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP	
5697952	DRGNR4040S25KC09	40	40	50,0	250	48,0	RN..250900	IRSN84	KMSP825IP	25 IP	—	25 IP	SSP025018M	KLM81025IP	
left hand															
5697944	DRGNL3225P12KC04	32	25	32,0	170	32,0	RN..120400	IRSN44	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP	
5697946	DRGNL4040S25KC09	40	40	50,0	250	48,0	RN..250900	IRSN84	KMSP825IP	25 IP	CM236R ASSY	25 IP	SSP025018M	KLM81025IP	

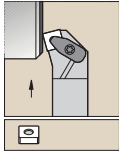


See pages B68–B80 for inserts.

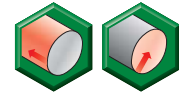
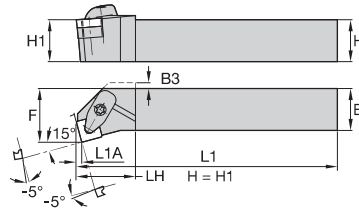


■ DSDN 45°

order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
5697954	DSDNN2020K12KC04	20	20	10,0	125	36,0	SN..120408	ISSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697955	DSDNN2525M12KC04	25	25	12,0	150	36,0	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697957	DSDNN2525M15KC06	25	25	12,0	150	42,0	SN..150612	ISSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
5697959	DSDNN3225P12KC04	32	25	12,0	170	36,0	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5697961	DSDNN3232P19KC06	32	32	15,5	170	44,0	SN..190612	ISSN643	KMSP625IP	25 IP	CM210R ASSY	25 IP	SSP025016M	KLM68L25IP
5697963	DSDNN4040S25KC09	40	40	19,5	250	59,0	SN..250924	ISSN846	KMSP825IP	40 IP	CM236R ASSY	25 IP	SSP025018M	KLM81025IP



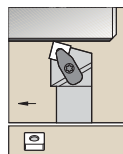
See pages B68–B80 for inserts.



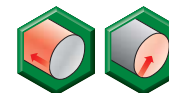
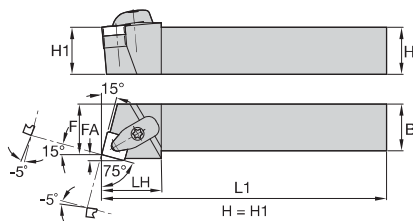
■ DSKN 75°

order number	catalogue number	H	B	F	L1	LH	L1A	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand																
5696685	DSKNR2020K12KC04	20	20	25,0	125	32,0	3,1	8,0	SN..120408	ISSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5696686	DSKNR2525M12KC04	25	25	32,0	150	32,0	3,1	4,0	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5696687	DSKNR3225P12KC04	32	25	32,0	170	32,0	3,1	—	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5696688	DSKNR3232P15KC06	32	32	40,0	170	32,0	3,8	—	SN..150612	ISSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
5696689	DSKNR3232P19KC06	32	32	40,0	170	38,0	4,6	—	SN..190612	ISSN643	KMSP625IP	25 IP	CM210R ASSY	25 IP	SSP025016M	KLM68L25IP
left hand																
5696682	DSKNL2525M12KC04	25	25	32,0	150	32,0	3,1	4,0	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5696683	DSKNL3225P12KC04	32	25	32,0	170	32,0	3,1	—	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5696684	DSKNL3232P15KC06	32	32	40,0	170	32,0	3,8	—	SN..150612	ISSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP

Tools for External Turning and Internal Boring



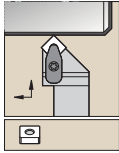
See pages B68–B80 for inserts.



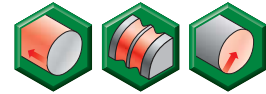
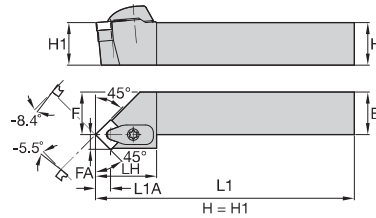
Tools for External Turning and Internal Boring

■ DSRN 75°

order number	catalogue number	H	B	F	L1	LH	FA	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
5696703	DSRNR2020K12KC04	20	20	22,0	125	32,0	3,3	SN..120408	ISSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5696704	DSRNR2525M12KC04	25	25	27,0	150	32,0	3,3	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5696705	DSRNR3232P15KC06	32	32	35,0	170	38,0	4,0	SN..150612	ISSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
5696706	DSRNR3232P19KC06	32	32	35,0	170	42,0	4,8	SN..190612	ISSN643	KMSP625IP	25 IP	CM210R ASSY	25 IP	SSP025016M	KLM68L25IP
5696707	DSRNR4040S25KC09	40	40	43,0	250	52,0	6,1	SN..250924	ISSN846	KMSP825IP	25 IP	CM236R ASSY	25 IP	SSP025018M	KLM81025IP
left hand															
5696700	DSRNL2525M12KC04	25	25	27,0	150	32,0	3,3	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5696701	DSRNL3232P15KC06	32	32	35,0	170	38,0	4,0	SN..150612	ISSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
5696702	DSRNL4040S25KC09	40	40	43,0	250	52,0	6,1	SN..250924	ISSN846	KMSP825IP	25 IP	CM236R ASSY	25 IP	SSP025018M	KLM81025IP



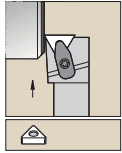
See pages B68–B80 for inserts.



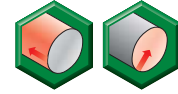
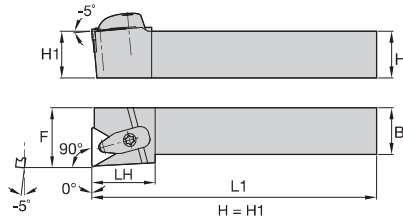
■ DSSN 45°

order number	catalogue number	H	B	F	L1	LH	FA	L1A	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand																
5696713	DSSNR2020K12KC04	20	20	25,0	125	36,0	8,4	8,7	SN..120408	ISSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5696714	DSSNR2525M12KC04	25	25	32,0	150	36,0	8,4	8,7	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5696715	DSSNR2525M15KC06	25	25	32,0	150	42,0	10,5	10,7	SN..150612	ISSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
5696716	DSSNR3225P12KC04	32	25	32,0	170	35,4	8,4	8,7	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5696717	DSSNR3232P15KC06	32	32	40,0	170	40,3	10,5	10,7	SN..150612	ISSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
5696718	DSSNR3232P19KC06	32	32	40,0	170	44,0	12,7	10,7	SN..190612	ISSN643	KMSP625IP	25 IP	CM210R ASSY	25 IP	SSP025016M	KLM68L25IP
left hand																
5696708	DSSNL2020K12KC04	20	20	25,0	125	36,0	8,4	8,7	SN..120408	ISSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5696709	DSSNL2525M12KC04	25	25	32,0	150	36,0	8,4	8,7	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5696710	DSSNL3225P12KC04	32	25	32,0	170	35,4	8,4	8,7	SN..120408	ISSN443	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
5696711	DSSNL3232P15KC06	32	32	40,0	170	40,3	10,5	10,7	SN..150612	ISSN543	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM58L15IP
5696712	DSSNL3232P19KC06	32	32	40,0	170	44,0	12,7	10,7	SN..190612	ISSN643	KMSP625IP	25 IP	CM210R ASSY	25 IP	SSP025016M	KLM68L25IP

Tools for External Turning and Internal Boring



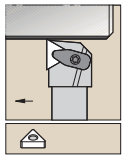
See pages B81–B93 for inserts.



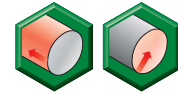
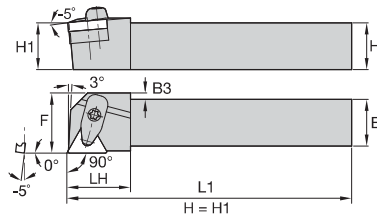
Tools for External Turning and Internal Boring

DTFN 90°

order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin	
right hand															
5696724	DTFNR2020K16KC04	20	20	25,0	125	32,0	TN..160408	ITSN323	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP	
5696725	DTFNR2525M16KC04	25	25	32,0	150	32,0	TN..160408	ITSN323	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP	
5696726	DTFNR3232P27KC06	32	32	40,0	170	38,0	TN..270612	ITSN534	KMSP515IP	15 IP	CM209R ASSY	15 IP	SSP025016M	KLM5815IP	
left hand															
5696719	DTFNL2020K16KC04	20	20	25,0	125	32,0	TN..160408	ITSN323	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP	
5696720	DTFNL2525M16KC04	25	25	32,0	150	32,0	TN..160408	ITSN323	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP	
5696721	DTFNL2525M22KC04	25	25	32,0	150	34,0	TN..220408	ITSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP	
5696722	DTFNL3225P16KC04	32	25	32,0	170	32,0	TN..160408	ITSN323	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP	
5696723	DTFNL3225P22KC04	32	25	32,0	170	34,0	TN..220408	ITSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP	

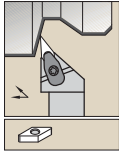


See pages B81–B93 for inserts.

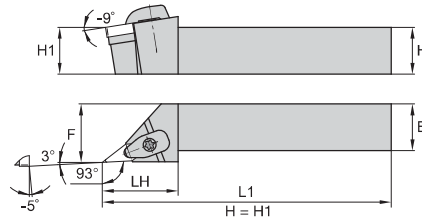


DTGN 90°

order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
5696729	DTGNR2020K16KC04	20	20	25,0	125	25,0	6,5	TN..160408	ITSN323	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5696730	DTGNR2525M16KC04	25	25	32,0	150	25,0	—	TN..160408	ITSN323	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5696731	DTGNR2525M22KC04	25	25	32,0	150	32,0	3,0	TN..220408	ITSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM46L15IP
left hand															
5696727	DTGNL2020K16KC04	20	20	25,0	125	25,0	6,5	TN..160408	ITSN323	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5696728	DTGNL2525M16KC04	25	25	32,0	150	25,0	—	TN..160408	ITSN323	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP



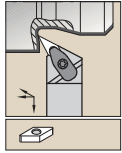
See pages B94–B99 for inserts.



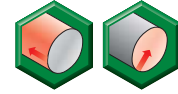
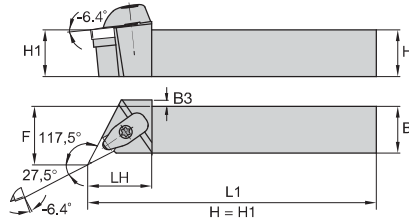
■ DVJN 93°

order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin	
right hand															
5696737	DVJNR2020K16KC04	20	20	25,0	125	46,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP	
5696738	DVJNR2525M16KC04	25	25	32,0	150	46,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP	
5696739	DVJNR2525M22KC04	25	25	32,0	150	55,0	VN..220408	IVSN432	KMSP415IP	15 IP	CM235R ASSY	15 IP	SSP025016M	KLM4615IP	
5696740	DVJNR3225P16KC04	32	25	32,0	170	46,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP	
5696741	DVJNR3225P22KC04	32	25	32,0	170	55,0	VN..220408	IVSN432	KMSP415IP	15 IP	CM235R ASSY	15 IP	SSP025016M	KLM4615IP	
left hand															
5696732	DVJNL2020K16KC04	20	20	25,0	125	46,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP	
5696733	DVJNL2525M16KC04	25	25	32,0	150	46,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP	
5696734	DVJNL2525M22KC04	25	25	32,0	150	55,0	VN..220408	IVSN432	KMSP415IP	15 IP	CM235R ASSY	15 IP	SSP025016M	KLM4615IP	
5696735	DVJNL3225P16KC04	32	25	32,0	170	46,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP	
5696736	DVJNL3225P22KC04	32	25	32,0	170	55,0	VN..220408	IVSN432	KMSP415IP	15 IP	CM235R ASSY	15 IP	SSP025016M	KLM4615IP	

Tools for External Turning and Internal Boring



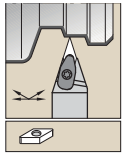
See pages B94–B99 for inserts.



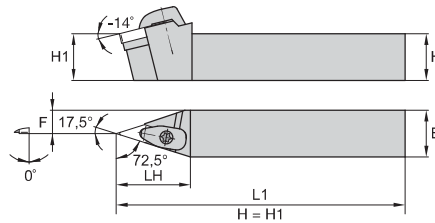
Tools for External Turning and Internal Boring

■ DVON 117,5°

order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
5696745	DVONR2020K16KC04	20	20	27,0	125	38,0	5,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP
5696746	DVONR2525M16KC04	25	25	32,0	150	38,0	—	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP
5696747	DVONR3225P16KC04	32	25	32,0	170	38,0	—	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP
left hand															
5696742	DVONL2020K16KC04	20	20	27,0	125	38,0	5,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP
5696743	DVONL2525M16KC04	25	25	32,0	150	38,0	—	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP
5696744	DVONL3225P16KC04	32	25	32,0	170	38,0	—	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP

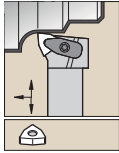


See pages B94–B99 for inserts.

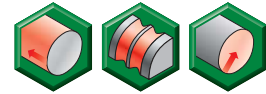
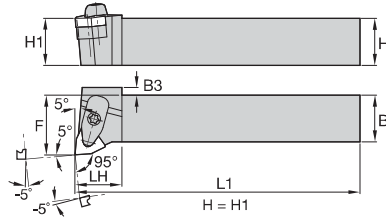


■ DVVN 72,5°

order number	catalogue number	H	B	F	L1	LH	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
5696748	DVVNN2020K16KC04	20	20	9,5	125	48,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP
5696749	DVVNN2525M16KC04	25	25	12,0	150	48,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP
5696750	DVVNN3225P16KC04	32	25	12,0	170	48,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	15 IP	SSP025016M	KLM34L9IP



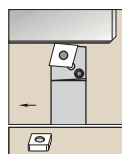
See pages B99–B105 for inserts.



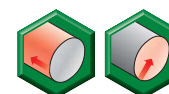
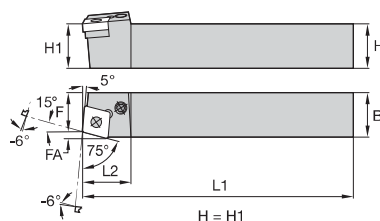
■ DWLN 95°

order number	catalogue number	H	B	F	L1	LH	B3	gage insert	shim	shim screw	Torx Plus	clamp assembly	Torx Plus	slotted pin	optional lock pin
right hand															
5696757	DWLNR2020K06KC04	20	20	25,0	125	31,0	—	WN..060408	IWSN322	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5696758	DWLNR2020K08KC04	20	20	25,0	125	33,0	—	WN..080408	IWSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5696759	DWLNR2525M06KC04	25	25	32,0	150	25,0	—	WN..060408	IWSN322	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5696760	DWLNR2525M08KC04	25	25	32,0	150	25,0	4,0	WN..080408	IWSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5696761	DWLNR3225P08KC04	32	25	32,0	170	25,0	4,0	WN..080408	IWSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5696762	DWLNR3232P08KC04	32	32	40,0	170	25,0	—	WN..080408	IWSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
left hand															
5696751	DWLNL2020K06KC04	20	20	25,0	125	31,0	—	WN..060408	IWSN322	KMSP39IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5696752	DWLNL2020K08KC04	20	20	25,0	125	33,0	—	WN..080408	IWSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5696753	DWLNL2525M06KC04	25	25	32,0	150	25,0	—	WN..060408	IWSN322	KMSP315IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM34L9IP
5696754	DWLNL2525M08KC04	25	25	32,0	150	25,0	4,0	WN..080408	IWSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5696755	DWLNL3225P08KC04	32	25	32,0	170	25,0	4,0	WN..080408	IWSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP
5696756	DWLNL3232P08KC04	32	32	40,0	170	25,0	—	WN..080408	IWSN433	KMSP415IP	15 IP	CM234R ASSY	15 IP	SSP025016M	KLM4615IP

Tools for External Turning and Internal Boring



See pages B30–B46 for inserts.

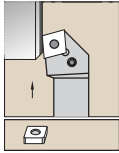


Tools for External Turning and Internal Boring

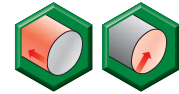
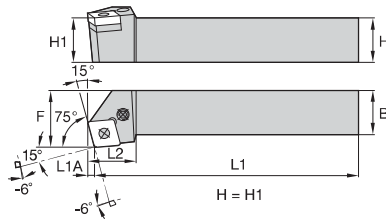
■ PCBN 75°



order number	catalogue number	H	B	F	L1	L2	FA	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus	
right hand															
3878361	PCBNR2020K12	20	20	17,0	125	26,0	3,1	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP	
3878356	PCBNR2525M12	25	25	22,0	150	26,0	3,1	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP	
3878366	PCBNR2525M16	25	25	22,0	150	26,0	4,2	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP	
3878367	PCBNR3225P16	32	25	22,0	170	28,0	4,2	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP	
3878363	PCBNR3232P16	32	32	27,0	170	38,0	4,2	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP	
3878358	PCBNR3232P19	32	32	27,0	170	40,0	4,6	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP	
3878364	PCBNR4040S19	40	40	35,0	250	38,0	4,6	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP	
left hand															
3878360	PCBNL2020K12	20	20	17,0	125	26,0	3,1	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP	
3878354	PCBNL2525M12	25	25	22,0	150	26,0	3,1	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP	
3878365	PCBNL2525M16	25	25	22,0	150	26,0	4,2	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP	
3878359	PCBNL3225P16	32	25	22,0	170	28,0	4,2	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP	
3878355	PCBNL3232P16	32	32	27,0	170	38,0	4,2	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP	
3878357	PCBNL3232P19	32	32	27,0	170	40,0	4,6	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP	
3878362	PCBNL4040S19	40	40	35,0	250	38,0	4,6	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP	



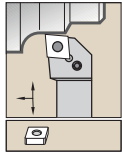
See pages B30–B46 for inserts.



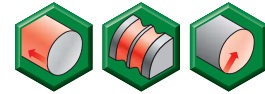
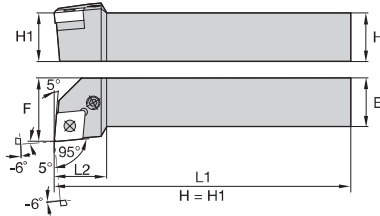
■ PCKN 75°

order number	catalogue number	H	B	F	L1	L2	L1A	gage insert								
									shim	shim pin	punch pin	lever	lever screw	Torx Plus		
right hand																
3878372	PCKNR2020K12	20	20	25,0	125	23,0	3,1	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP		
3878370	PCKNR2525M12	25	25	32,0	150	23,0	3,1	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP		
3878374	PCKNR2525M16	25	25	32,0	150	30,0	3,8	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP		
3878375	PCKNR3225P16	32	25	32,0	170	30,0	3,8	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP		
3899889	PCKNR3232P16	32	32	40,0	170	38,0	3,8	CN..160612	512.117	513.025	515.022	511.025	514.125	—		
3878371	PCKNR3232P19	32	32	40,0	170	40,0	4,6	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP		
3879707	PCKNR4040S19	40	40	50,0	250	36,0	4,6	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP		
left hand																
3878373	PCKNL2020K12	20	20	25,0	125	23,0	3,1	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP		
3878369	PCKNL2525M12	25	25	32,0	150	23,0	3,1	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP		
3878377	PCKNL2525M16	25	25	32,0	150	30,0	3,8	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP		
3878376	PCKNL3225P16	32	25	32,0	170	30,0	3,8	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP		
3899888	PCKNL3232P16	32	32	40,0	170	38,0	3,8	CN..160612	512.117	513.025	515.022	511.025	514.125	—		
3878368	PCKNL3232P19	32	32	40,0	170	40,0	4,6	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP		
3878378	PCKNL4040S19	40	40	50,0	250	36,0	4,6	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP		

Tools for External Turning and Internal Boring



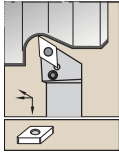
See pages B30–B46 for inserts.



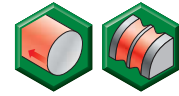
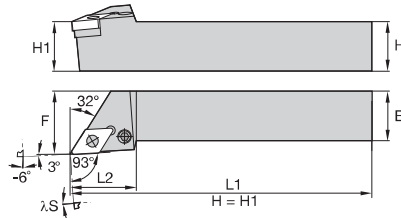
Tools for External Turning and Internal Boring

■ PCLN 95°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim pin	punch pin	lever	lever screw	lever screw wrench size
right hand													
3900154	PCLNR1616H09	16	16	20,0	100	23,0	CN..090308	512.111	513.019	515.018	511.018	514.018	2,5 mm
3878400	PCLNR1616H12	16	16	20,0	100	26,0	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP
3878422	PCLNR2020K12	20	20	25,0	125	26,0	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP
3878419	PCLNR2525M12	25	25	32,0	150	26,0	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP
3878401	PCLNR2525M16	25	25	32,0	150	28,0	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP
3878402	PCLNR3225P12	32	25	32,0	170	26,0	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP
3878421	PCLNR3225P16	32	25	32,0	170	38,0	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP
3878413	PCLNR3225P19	32	25	32,0	170	38,0	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP
3878396	PCLNR3232P16	32	32	40,0	170	36,0	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP
3878414	PCLNR3232P19	32	32	40,0	170	36,0	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP
3878417	PCLNR4040S19	40	40	50,0	250	36,0	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP
left hand													
3900153	PCLNL1616H09	16	16	20,0	100	23,0	CN..090308	512.111	513.019	515.018	511.018	514.018	2,5 mm
3878379	PCLNL1616H12	16	16	20,0	100	26,0	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP
3878418	PCLNL2020K12	20	20	25,0	125	26,0	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP
3878398	PCLNL2525M12	25	25	32,0	150	26,0	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP
3878380	PCLNL2525M16	25	25	32,0	150	28,0	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP
3878397	PCLNL3225P12	32	25	32,0	170	26,0	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP
3878381	PCLNL3225P19	32	25	32,0	170	38,0	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP
3878415	PCLNL3232P16	32	32	40,0	170	36,0	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP
3878393	PCLNL3232P19	32	32	40,0	170	36,0	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP
3878416	PCLNL4040S19	40	40	50,0	250	36,0	CN..190612	512.123	513.033	515.022	511.033	514.133	25 IP



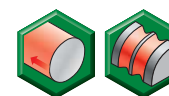
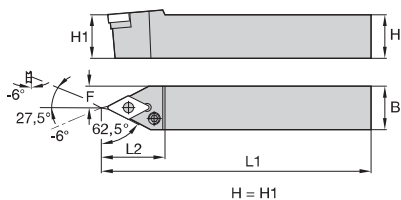
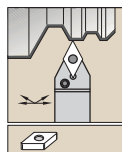
See pages B47–B64 for inserts.



■ PDJN 93°

order number	catalogue number	H	B	F	L1	L2	λS°	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand														
3878424	PDJNR1616H11	16	16	20,0	100	22,0	-6,0	DN..110408	512.060	513.060	515.018	511.060	514.118	10 IP
3878429	PDJNR2020K11	20	20	25,0	125	30,0	-7,0	DN..110408	512.060	513.060	515.018	511.060	514.118	10 IP
3879318	PDJNR2020K15	20	20	25,0	125	36,0	-7,0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
3879151	PDJNR2525M11	25	25	32,0	150	30,0	-7,0	DN..110408	512.060	513.060	515.018	511.060	514.118	10 IP
3878425	PDJNR3225P15	32	25	32,0	170	38,0	-7,0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
3879152	PDJNR3232P15	32	32	40,0	170	38,0	-7,0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
3878426	PDJNR4025R15	40	25	32,0	200	38,0	-7,0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
left hand														
3879313	PDJNL1616H11	16	16	20,0	100	22,0	-6,0	DN..110408	512.060	513.060	515.018	511.060	514.118	10 IP
3878427	PDJNL2020K11	20	20	25,0	125	30,0	-7,0	DN..110408	512.060	513.060	515.018	511.060	514.118	10 IP
3879317	PDJNL2020K15	20	20	25,0	125	36,0	-7,0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
3878428	PDJNL2525M11	25	25	32,0	150	30,0	-7,0	DN..110408	512.060	513.060	515.018	511.060	514.118	10 IP
3879314	PDJNL2525M15	25	25	32,0	150	—	-7,0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
3878423	PDJNL3225P15	32	25	32,0	170	38,0	-7,0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
3879315	PDJNL3232P15	32	32	40,0	170	38,0	-7,0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP
3879316	PDJNL4025R15	40	25	32,0	200	38,0	-7,0	DN..150608	512.153	513.023	515.018	511.024	514.128	15 IP

Tools for External Turning and Internal Boring



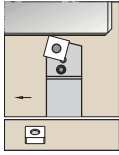
See pages B47–B64 for inserts.

Tools for External Turning and Internal Boring

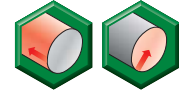
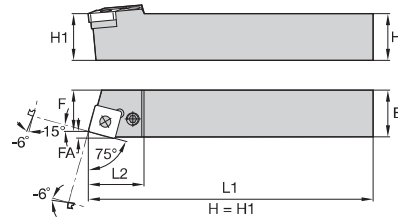
■ PDNN 62,5°



order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand													
3879319	PDNNR2525M15	25	25	12,5	150	36,0	DN..150608	512,153	513,023	515,018	511,024	514,128	15 IP
3900156	PDNNR3225P15	32	25	12,5	170	36,0	DN..150608	512,153	513,023	515,018	511,024	514,128	15 IP
3879322	PDNNR4025M15	40	25	12,5	150	36,0	DN..150608	512,153	513,023	515,018	511,024	514,128	15 IP
left hand													
3879320	PDNNL2525M15	25	25	12,5	150	36,0	DN..150608	512,153	513,023	515,018	511,024	514,128	15 IP
3900155	PDNNL3225P15	32	25	12,5	170	36,0	DN..150608	512,153	513,023	515,018	511,024	514,128	15 IP



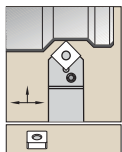
See pages B68–B80 for inserts.



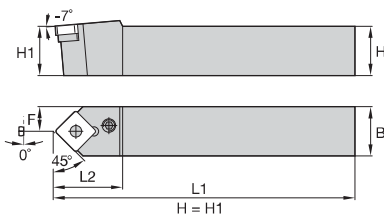
PSBN 75°

order number	catalogue number	H	B	F	L1	L2	FA	gage insert								
									shim	shim pin	punch pin	lever	lever screw	Torx Plus		
right hand																
3879324	PSBNR2020K12	20	20	17,0	125	26,0	3,1	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP		
3900158	PSBNR2525M12	25	25	22,0	150	26,0	—	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP		
3879333	PSBNR2525M15	25	25	22,0	150	36,0	3,8	SN..150612	512.025	513.025	515.022	511.025	514.125	15 IP		
3879330	PSBNR3232P15	32	32	27,0	170	33,0	3,8	SN..150612	512.025	513.025	515.022	511.025	514.125	15 IP		
3879327	PSBNR3232P19	32	32	27,0	170	40,0	4,6	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP		
3879334	PSBNR4040S19	40	40	35,0	250	38,0	4,6	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP		
3879331	PSBNR4040S25	40	40	35,0	250	47,0	5,9	SN..250724	512.092	513.038	515.028	511.038	514.138	30 IP		
left hand																
3879325	PSBNL2020K12	20	20	17,0	125	26,0	3,1	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP		
3900157	PSBNL2525M12	25	25	22,0	150	26,0	—	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP		
3879329	PSBNL2525M15	25	25	22,0	150	36,0	3,8	SN..150612	512.025	513.025	515.022	511.025	514.125	15 IP		
3879332	PSBNL3232P15	32	32	27,0	170	33,0	3,8	SN..150612	512.025	513.025	515.022	511.025	514.125	15 IP		
3879328	PSBNL3232P19	32	32	27,0	170	40,0	4,6	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP		
3879323	PSBNL4040S19	40	40	35,0	250	38,0	4,6	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP		
3879326	PSBNL4040S25	40	40	35,0	250	47,0	5,9	SN..250724	512.092	513.038	515.028	511.038	514.138	30 IP		
3900159	PSBNL5050T25	50	50	43,0	300	50,0	—	SN..250724	512.092	513.038	515.028	511.038	514.138	30 IP		

Tools for External Turning and Internal Boring



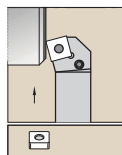
See pages B68–B80 for inserts.



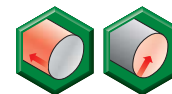
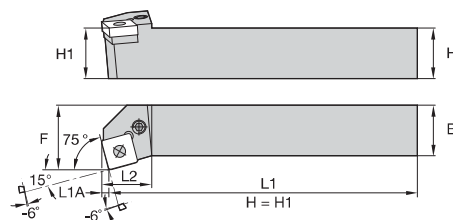
Tools for External Turning and Internal Boring

■ PSDN 45°

order number	catalogue number	H	B	F	L1	L2	gage insert						
								shim	shim pin	punch pin	lever	lever screw	Torx Plus
3879336	PSDNN1616H09	16	16	8,0	100	20,0	SN..090308	512.053	513.019	515.018	511.018	514.118	10 IP
3879335	PSDNN2020K12	20	20	10,0	125	26,0	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
3879337	PSDNN2525M12	25	25	12,5	150	26,0	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
3900160	PSDNN3225P15	32	25	12,5	170	33,0	SN..150612	512.025	513.025	515.022	511.025	514.125	15 IP
3900161	PSDNN3232P15	32	32	16,0	170	33,0	SN..150612	512.025	513.025	515.022	511.025	514.125	15 IP
3879338	PSDNN4040S25	40	40	20,0	250	47,0	SN..250724	512.092	513.038	515.028	511.038	514.138	30 IP

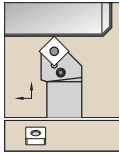


See pages B68–B80 for inserts.

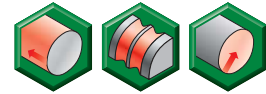
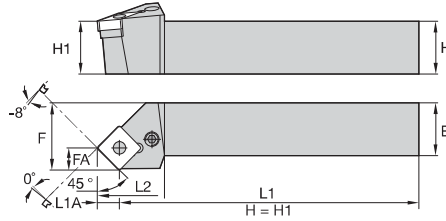


■ PSKN 75°

order number	catalogue number	H	B	F	L1	L2	L1A	gage insert						
									shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand														
3879340	PSKNR2020K12	20	20	25,0	125	23,0	3,1	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
3879341	PSKNR2525M12	25	25	32,0	150	23,0	3,1	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
3879708	PSKNR2525M15	25	25	32,0	150	32,0	3,8	SN..150612	512.025	513.025	515.022	511.025	514.125	15 IP
3879342	PSKNR3232P19	32	32	40,0	170	37,5	4,6	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP
3879710	PSKNR4040S19	40	40	50,0	250	37,5	4,6	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP
left hand														
3879709	PSKNL1616H09	16	16	20,0	100	20,0	2,2	SN..090308	512.053	513.019	515.018	511.018	514.118	10 IP
3879343	PSKNL2020K12	20	20	25,0	125	23,0	3,1	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
3879339	PSKNL2525M12	25	25	32,0	150	23,0	3,1	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
3879344	PSKNL3232P19	32	32	40,0	170	37,5	4,6	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP
3879345	PSKNL4040S19	40	40	50,0	250	37,5	4,6	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP



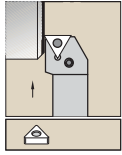
See pages B68–B80 for inserts.



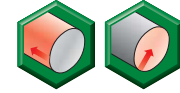
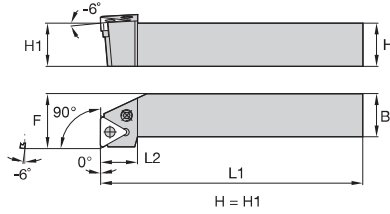
■ PSSN 45°

order number	catalogue number	H	B	F	L1	L2	FA	L1A	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand															
3879351	PSSNR1616H09	16	16	20,0	100	23,0	6,1	6,1	SN..090308	512.053	513.019	515.018	511.018	514.118	10 IP
3879359	PSSNR2020K09	20	20	25,0	125	26,0	6,1	6,1	SN..090308	512.053	513.019	515.018	511.018	514.118	10 IP
3879348	PSSNR2020K12	20	20	25,0	125	28,0	8,3	8,3	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
3879352	PSSNR2525M12	25	25	32,0	150	28,0	8,3	8,3	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
3879349	PSSNR2525M15	25	25	32,0	150	32,0	10,2	10,2	SN..150612	512.025	513.025	515.022	511.025	514.125	15 IP
3879360	PSSNR3225P12	32	25	32,0	170	29,0	8,3	8,3	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
3879362	PSSNR3225P15	32	25	32,0	170	32,0	10,2	10,2	SN..150612	512.025	513.025	515.022	511.025	514.125	15 IP
3879354	PSSNR3232P15	32	32	40,0	170	32,0	10,0	11,5	SN..150612	512.025	513.025	515.022	511.025	514.125	15 IP
3879350	PSSNR3232P19	32	32	40,0	170	37,5	12,5	12,5	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP
3879361	PSSNR4040S19	40	40	50,0	250	37,5	12,5	12,5	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP
left hand															
3879363	PSSNL1616H09	16	16	20,0	100	23,0	6,1	6,1	SN..090308	512.053	513.019	515.018	511.018	514.118	10 IP
3879844	PSSNL2020K09	20	20	25,0	125	26,0	6,1	6,1	SN..090308	512.053	513.019	515.018	511.018	514.118	10 IP
3879347	PSSNL2020K12	20	20	25,0	125	28,0	8,3	8,3	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
3879353	PSSNL2525M12	25	25	32,0	150	28,0	8,3	8,3	SN..120408	512.063	513.023	515.018	511.023	514.123	15 IP
3879355	PSSNL2525M15	25	25	32,0	150	32,0	10,2	10,2	SN..150612	512.025	513.025	515.022	511.025	514.125	15 IP
3879358	PSSNL3225P12	32	25	32,0	170	29,0	8,3	8,3	SN..120408	512.063	513.023	515.018	511.023	—	15 IP
3879843	PSSNL3225P15	32	25	32,0	170	32,0	10,2	10,2	SN..150612	512.025	513.025	515.022	511.025	514.125	15 IP
3879712	PSSNL3232P15	32	32	40,0	170	32,0	10,2	10,2	SN..150612	512.025	513.025	515.022	511.025	514.125	15 IP
3879356	PSSNL3232P19	32	32	40,0	170	37,5	12,5	12,5	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP
3879357	PSSNL4040S19	40	40	50,0	250	37,5	12,5	12,5	SN..190612	512.083	513.033	515.022	511.033	514.133	25 IP
3879711	PSSNL4040S25	40	40	50,0	250	50,0	16,0	16,0	SN..250724	512.092	513.038	515.028	511.038	514.138	30 IP

Tools for External Turning and Internal Boring



See pages B81–B93 for inserts.

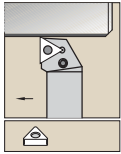


Tools for External Turning and Internal Boring

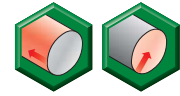
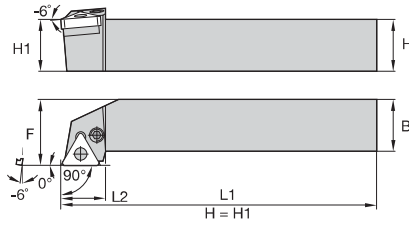
■ PTFN 90°



order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand													
3879369	PTFNR1616H16	16	16	20,0	100	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3879367	PTFNR2020K16	20	20	25,0	125	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3879364	PTFNR2525M16	25	25	32,0	150	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3879372	PTFNR2525M22	25	25	32,0	150	26,0	TN..220408	512.023	513.023	515.018	511.023	514.123	15 IP
3879370	PTFNR3225P22	32	25	32,0	170	26,0	TN..220408	512.023	513.023	515.018	511.023	514.123	15 IP
3879845	PTFNR3232P22	32	32	40,0	170	26,0	TN..220408	512.023	513.023	515.018	511.023	514.123	15 IP
left hand													
3879365	PTFNL1616H16	16	16	20,0	100	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3879366	PTFNL2020K16	20	20	25,0	125	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3879368	PTFNL2525M16	25	25	32,0	150	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP



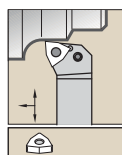
See pages B81–B93 for inserts.



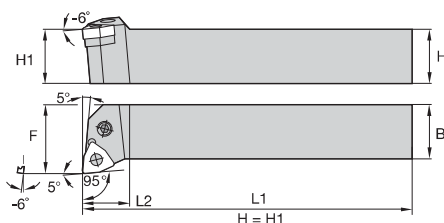
■ PTGN 90°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand													
3879385	PTGNR1616H16	16	16	20,0	100	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3879389	PTGNR2020K16	20	20	25,0	125	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3879390	PTGNR2525M16	25	25	32,0	150	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3879387	PTGNR2525M22	25	25	32,0	150	26,0	TN..220408	512.023	513.023	515.018	511.023	514.123	15 IP
3879846	PTGNR3225P22	32	25	32,0	170	28,0	TN..220408	512.023	513.023	515.018	511.023	514.123	15 IP
3879391	PTGNR3232P22	32	32	40,0	170	26,0	TN..220408	512.023	513.023	515.018	511.023	514.123	15 IP
3900163	PTGNR4040T27	40	40	50,0	300	31,0	TN..270612	512.031	513.025	515.022	511.028	514.128	15 IP
left hand													
3879383	PTGNL1616H16	16	16	20,0	100	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3879384	PTGNL2020K16	20	20	25,0	125	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3879388	PTGNL2525M16	25	25	32,0	150	20,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3879386	PTGNL2525M22	25	25	32,0	150	26,0	TN..220408	512.023	513.023	515.018	511.023	514.123	15 IP
3879392	PTGNL3232P22	32	32	40,0	170	26,0	TN..220408	512.023	513.023	515.018	511.023	514.123	15 IP
3900162	PTGNL4040T27	40	40	50,0	300	31,0	TN..270612	512.031	513.025	515.022	511.028	514.128	15 IP

Tools for External Turning and Internal Boring



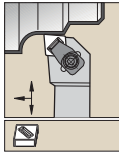
See pages B99–B105 for inserts.



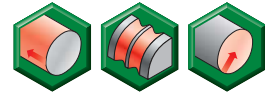
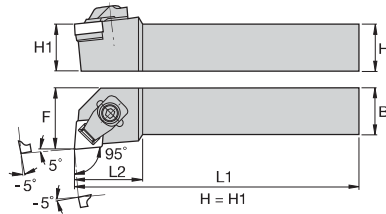
Tools for External Turning and Internal Boring

■ PWLN 95°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim pin	punch pin	lever	lever screw	Torx Plus
right hand													
3879405	PWLN1616H06	16	16	20,0	100	14,0	WN..060408	512,134	513,018	515,018	511,018	514,118	10 IP
3879407	PWLN2020K06	20	20	25,0	125	14,0	WN..060408	512,134	513,018	515,018	511,018	514,118	10 IP
3879408	PWLN2020K08	20	20	25,0	125	20,0	WN..080408	512,135	513,023	515,018	511,023	514,123	15 IP
3900167	PWLN2525M06	25	25	32,0	150	20,0	WN..060408	512,134	513,018	515,018	511,018	514,118	10 IP
3879409	PWLN2525M08	25	25	32,0	150	26,0	WN..080408	512,135	513,023	515,018	511,023	514,123	15 IP
3900164	PWLN3232P08	32	32	40,0	170	26,0	WN..080408	512,135	513,023	515,018	511,023	514,123	15 IP
left hand													
3879410	PWLN1616H06	16	16	20,0	100	14,0	WN..060408	512,134	513,018	515,018	511,018	514,118	10 IP
3879406	PWLN2020K06	20	20	25,0	125	14,0	WN..060408	512,134	513,018	515,018	511,018	514,118	10 IP
3879403	PWLN2020K08	20	20	25,0	125	20,0	WN..080408	512,135	513,023	515,018	511,023	514,123	15 IP
3900166	PWLN2525M06	25	25	32,0	150	20,0	WN..060408	512,134	513,018	515,018	511,018	514,118	10 IP
3879404	PWLN2525M08	25	25	32,0	150	26,0	WN..080408	512,135	513,023	515,018	511,023	514,123	15 IP
3900165	PWLN3232P08	32	32	40,0	170	26,0	WN..080408	512,135	513,023	515,018	511,023	514,123	15 IP



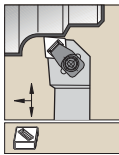
See pages B177–B179 and B197–B205 for inserts.



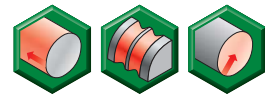
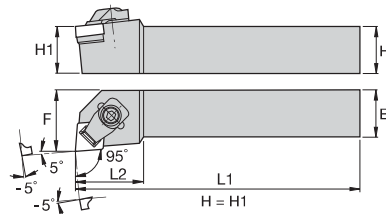
■ CCLN-MX 95°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand												
3032691	CCLNR2525M12MX7	25	25	32,0	150	32,0	CN.X120708	552.221	554.252	2.5 mm	551.316	4 mm
3032713	CCLNR3225P12MX7	32	25	32,0	170	32,0	CN.X120708	552.221	554.252	2.5 mm	551.316	4 mm
left hand												
3032692	CCLNL2525M12MX7	25	25	32,0	150	32,0	CN.X120708	552.221	554.252	2.5 mm	551.316	4 mm

NOTE: MX — clamping version is shown.



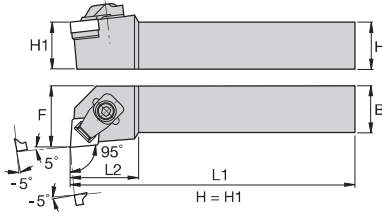
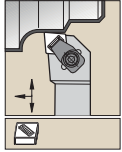
See pages B177–B179 and B197–B205 for inserts.



■ CCLN-MN 95°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand													
3032715	CCLNR2525M12MN4	25	25	32,0	150	32,0	CN.N120408	552.220	554.252	2.5 mm	557.111	551.317	4 mm
3032717	CCLNR2525M12MN7	25	25	32,0	150	32,0	CN.N120708	552.221	554.252	2.5 mm	557.111	551.317	4 mm
3032719	CCLNR3225P12MN7	32	25	32,0	170	32,0	CN.N120708	552.221	554.252	2.5 mm	—	551.317	4 mm
left hand													
3032716	CCLNL2525M12MN4	25	25	32,0	150	32,0	CN.N120408	552.220	554.252	2.5 mm	557.111	551.317	4 mm

NOTE: MX — clamping version is shown.



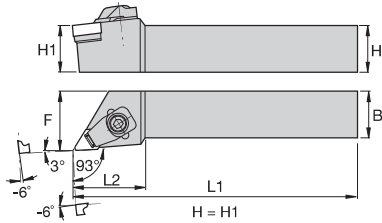
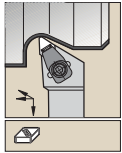
See pages B177–B179 and B197–B205 for inserts.

Tools for External Turning and Internal Boring

■ CCLN-MF 95°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	chipbreaker	clamp assembly	hex
right hand													
3032723	CCLNR2525M12MF7	25	25	32,0	150	32,0	CN.N120708	552.221	554.252	2.5 mm	557.125	551.317	4 mm

NOTE: MX – clamping version is shown.

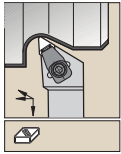


See pages B180–B181 and B206–B216 for inserts.

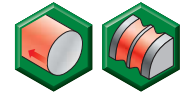
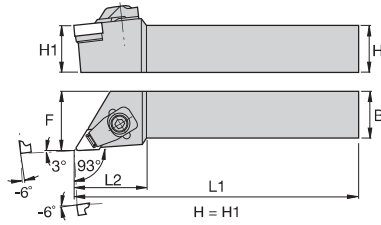
■ CDJN-MX 93°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand												
3032726	CDJNR2525M15MX7	25	25	32,0	150	38,0	DN.X150708	552.228	554.252	2.5 mm	551.332	4 mm
left hand												
3032727	CDJNL2525M15MX7	25	25	32,0	150	38,0	DN.X150708	552.228	554.252	2.5 mm	551.332	4 mm

NOTE: MX – clamping version is shown.



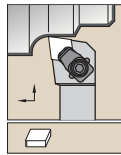
See pages B180–B181 and B206–B216 for inserts.



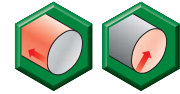
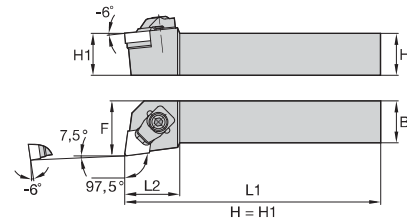
■ CDJN-MN 93°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand													
3032728	CDJNR2525M15MN7	25	25	32,0	150	38,0	DN,N150708	552.228	554.252	2,5 mm	557.111	551.317	4 mm
3032545	CDJNR3225P15MN7	32	25	32,0	170	38,0	DN,N150708	552.228	554.252	2,5 mm	557.111	551.317	4 mm
left hand													
3032544	CDJNL2525M15MN7	25	25	32,0	150	38,0	DN,N150708	552.228	554.252	2,5 mm	557.111	551.317	4 mm
3032546	CDJNL3225P15MN7	32	25	32,0	170	38,0	DN,N150708	552.228	554.252	2,5 mm	557.111	551.317	4 mm

NOTE: MX — clamping version is shown.



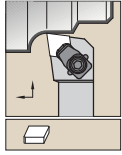
See page B182 for inserts.



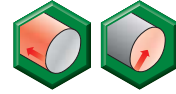
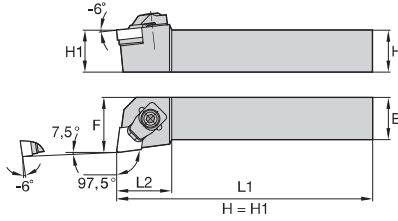
■ CELN-MF 97,5°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	chipbreaker	clamp assembly	hex
right hand													
3879700	CELNR2525M13MF7	25	25	32,5	153	32,0	EN,N130708	552.240	554.252	2,5 mm	557.125	551.317	4 mm
left hand													
3879698	CELNL2525M13MF7	25	25	32,5	153	32,0	EN,N130708	552.240	554.252	2,5 mm	557.125	551.317	4 mm

NOTE: MN — clamping version is shown.



See page B182 for inserts.

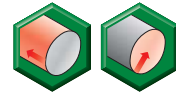
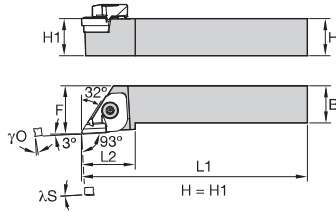
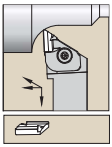


Tools for External Turning and Internal Boring

■ CELN-MN 97,5°

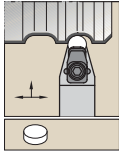
order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand													
3879701	CELNR2525M13MN7	25	25	32,5	153	32,0	EN.N130708	552.240	554.252	2.5 mm	557.111	551.317	4 mm
left hand													
3879699	CELNL2525M13MN7	25	25	32,5	153	32,0	EN.N130708	552.240	554.252	2.5 mm	557.111	551.317	4 mm

NOTE: MN – clamping version is shown.

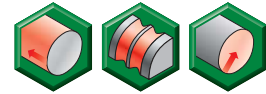
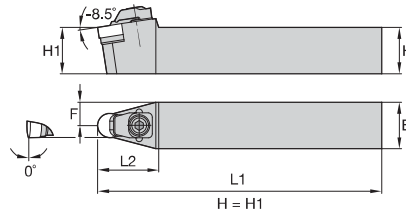


■ CKJN

order number	catalogue number	H	B	F	L1	L2	λS°	γO°	gage insert	shim	shim pin	clamp	clamp assembly	hex	hex wrench	pin
right hand																
3870064	CKJNR2525M16	25	25	32,0	150	36,0	0,0	-6,0	KN..160410R	512.100	513.020	551.129	–	4 mm	170.004	513.123
3870065	CKJNR3225P16	32	25	32,0	170	33,0	0,0	-6,0	KN..160410R	512.100	513.020	551.129	–	4 mm	170.004	513.123
left hand																
3870042	CKJNL2525M16	25	25	32,0	150	36,0	0,0	-6,0	KN..160410L	512.101	513.020	–	551.130	4 mm	170.004	513.123
3870063	CKJNL3225P16	32	25	32,0	170	33,0	0,0	-6,0	KN..160410L	512.101	513.020	–	551.130	4 mm	170.004	513.123



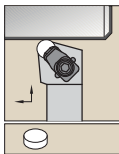
See pages B183–B185 and B210 for inserts.



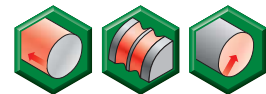
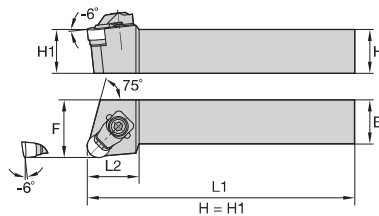
■ CRDN-MN

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
3032549	CRDNN2525M12MN4	25	25	12,5	150	30,0	RN.N120400	552.229	554.252	2.5 mm	557.111	551.333	4 mm
3032551	CRDNN2525M12MN7	25	25	12,5	150	30,0	RN.N120700	552.230	554.252	2.5 mm	557.111	551.333	4 mm
3032550	CRDNN3225P12MN4	32	25	12,5	170	30,0	RN.N120400	552.229	554.252	2.5 mm	557.111	551.333	4 mm
3032552	CRDNN3225P12MN7	32	25	12,5	170	30,0	RN.N120700	552.230	554.252	2.5 mm	557.111	551.333	4 mm

NOTE: MN – clamping version is shown.



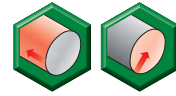
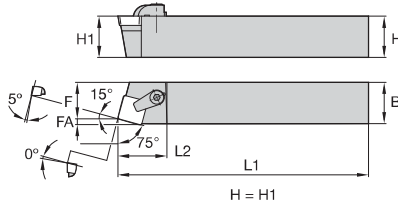
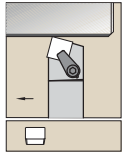
See pages B183–B185 and B210 for inserts.



■ CRSN-MN

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand													
3032677	CRSNR2525M12MN7	25	25	32,0	150	26,0	RN.N120700	552.230	554.252	2.5 mm	557.111	551.333	4 mm
3032675	CRSNR3225P12MN4	32	25	32,0	170	26,0	RN.N120400	552.229	554.252	2.5 mm	557.111	551.333	4 mm
3032679	CRSNR3225P12MN7	32	25	32,0	170	26,0	RN.N120700	552.230	554.252	2.5 mm	557.111	551.333	4 mm
left hand													
3032678	CRSNL2525M12MN7	25	25	32,0	150	26,0	RN.N120700	552.230	554.252	2.5 mm	557.111	551.333	4 mm
3032676	CRSNL3225P12MN4	32	25	32,0	170	26,0	RN.N120400	552.229	554.252	2.5 mm	557.111	551.333	4 mm
3032680	CRSNL3225P12MN7	32	25	32,0	170	26,0	RN.N120700	552.230	554.252	2.5 mm	557.111	551.333	4 mm

NOTE: MN – clamping version is shown.

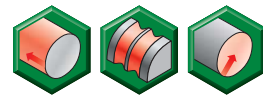
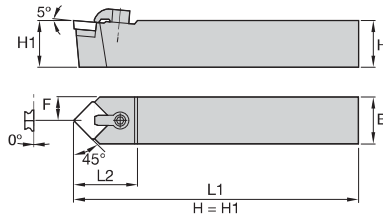
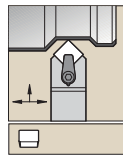


See pages B186–B191 and B211–B212 for inserts.

Tools for External Turning and Internal Boring

■ CSBP 75°

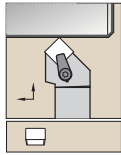
order number	catalogue number	H	B	F	L1	L2	FA	gage insert	shim	shim screw	hex	clamp	clamp screw	hex	
right hand															
3870068	CSBPR2020K12	20	20	17,0	125	30,0	3,1	SP..120308	SM840	MS111	2 mm	CKM10	STCM8	4 mm	
3870069	CSBPR2525M12	25	25	22,0	150	30,0	3,1	SP..120308	SM840	MS111	2 mm	CKM10	STCM8	4 mm	
left hand															
3870066	CSBPL2020K12	20	20	17,0	125	30,0	3,1	SP..120308	SM840	MS111	2 mm	CKM10	STCM8	4 mm	



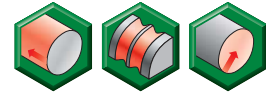
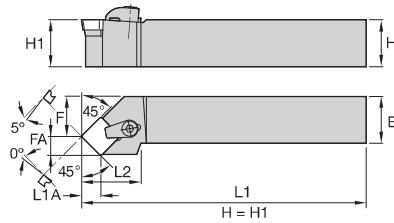
See pages B186–B191 and B211–B212 for inserts.

■ CSDP 45°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
3870070	CSDPN1616H09	16	16	8,0	100	25,0	SP..090308	SM820	MS959	—	CKM7	STCM9	2,5 mm
3870071	CSDPN2020K12	20	20	10,0	125	32,0	SP..120308	SM840	MS111	2 mm	CKM10	STCM8	4 mm
3870072	CSDPN2525M12	25	25	12,5	150	32,0	SP..120308	SM840	MS111	2 mm	CKM9	STCM4	4 mm

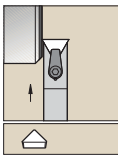


See pages B186–B191 and B211–B212 for inserts.

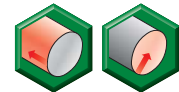
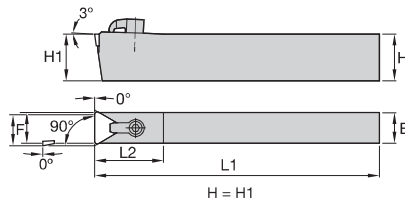


■ CSSP 45°

order number	catalogue number	H	B	F	L1	L2	FA	L1A	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand															
3870074	CSSPR2020K12	20	20	25,0	125	32,0	8,7	8,3	SP..120308	SM840	MS111	2 mm	CKM10	STCM8	4 mm
3870075	CSSPR2525M12	25	25	32,0	150	32,0	8,7	8,3	SP..120308	SM840	MS111	2 mm	CKM9	STCM4	4 mm
left hand															
3870073	CSSPL2525M12	25	25	32,0	150	32,0	8,7	8,3	SP..120308	SM840	MS111	2 mm	CKM9	STCM4	4 mm

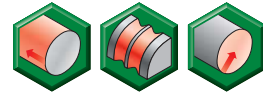
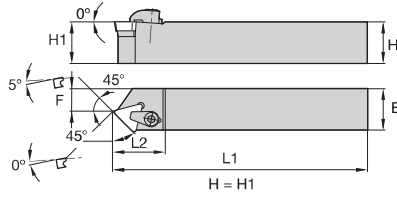
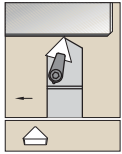


See pages B192–B194 and B212–B216 for inserts.



■ CTCP 90°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
3870080	CTCPN4018R22	40	18	19,2	200	41,0	TP..220408	SM837	MS125	2.5 mm	CKM13	STCM4	4 mm
3870076	CTCPN2510M11	25	10	10,0	150	26,0	TP..110304	SM819	MS960	—	CKM7	STCM5	2,5 mm
3870077	CTCPN2514M16	25	14	14,4	150	28,0	TP..160308	SM841	MS111	2 mm	CKM13	STCM4	4 mm
3870078	CTCPN2518M22	25	18	19,2	150	41,0	TP..220408	SM837	MS125	2.5 mm	CKM13	STCM4	4 mm
3870079	CTCPN2520M22	25	20	20,2	150	41,0	TP..220408	SM837	MS125	2.5 mm	CKM13	STCM4	4 mm

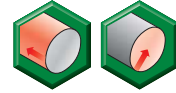
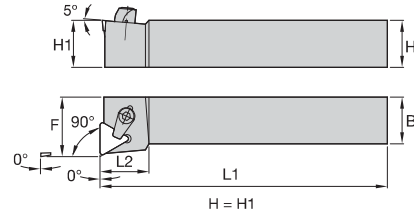
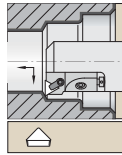


See pages B192–B194 and B212–B216 for inserts.

Tools for External Turning and Internal Boring

■ CTDP 45°

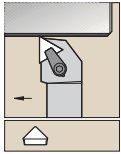
order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	clamp	clamp screw	hex
right hand												
3870083	CTDPR1212F11	12	12	6,0	80	22,0	TP..110304	SM819	MS960	CKM19	STCM9	2.5 mm
left hand												
3870082	CTDPL1212F11	12	12	6,0	80	22,0	TP..110304	SM819	MS960	CKM19	STCM9	2.5 mm



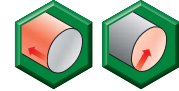
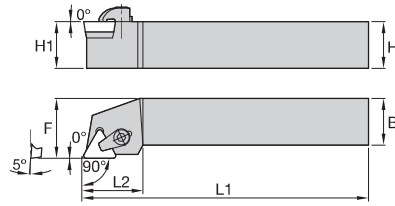
See pages B192–B194 and B212–B216 for inserts.

■ CTFP 90°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand													
3870087	CTFPR2020K16	20	20	25,0	125	29,0	TP..160308	SM841	MS111	2 mm	CKM10	STCM8	4 mm
3870088	CTFPR2525M16	25	25	32,0	150	29,0	TP..160308	SM841	MS111	2 mm	CKM9	STCM4	4 mm
left hand													
3870086	CTFPL2525M16	25	25	32,0	150	29,0	TP..160308	SM841	MS111	2 mm	CKM9	STCM4	4 mm



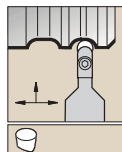
See pages B192–B194 and B212–B216 for inserts.



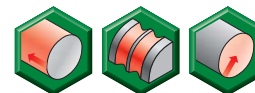
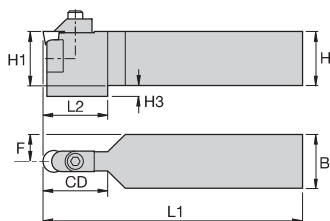
CTGP 90°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	clamp	clamp screw	hex
right hand													
3870092	CTGPR1212F11	12	12	16,0	80	20,0	TP..110304	SM819	MS960	—	CKM19	STCM9	2.5 mm
3870103	CTGPR1616H11	16	16	20,0	100	20,0	TP..110304	SM819	MS960	—	CKM19	STCM9	2.5 mm
3870104	CTGPR2020K11	20	20	25,0	125	20,0	TP..110304	SM819	MS960	—	CKM19	STCM9	2.5 mm
3870105	CTGPR2020K16	20	20	25,0	125	26,0	TP..160308	SM841	MS111	2 mm	CKM10	STCM8	4 mm
3870106	CTGPR2525M16	25	25	32,0	150	26,0	TP..160308	SM841	MS111	2 mm	CKM9	STCM4	4 mm
3870107	CTGPR2525M22	25	25	32,0	150	30,0	TP..220408	SM837	MS125	2.5 mm	CKM9	STCM4	4 mm
left hand													
3870089	CTGPL1212F11	12	12	16,0	80	20,0	TP..110304	SM819	MS960	—	CKM19	STCM9	2.5 mm
3870090	CTGPL2020K16	20	20	25,0	125	26,0	TP..160308	SM841	MS111	2 mm	CKM10	STCM8	4 mm
3870091	CTGPL2525M16	25	25	32,0	150	26,0	TP..160308	SM841	MS111	2 mm	CKM9	STCM4	4 mm

Tools for External Turning and Internal Boring



See page B184 for inserts.

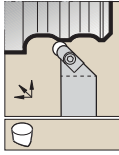


Tools for External Turning and Internal Boring

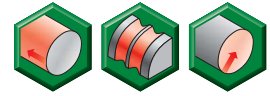
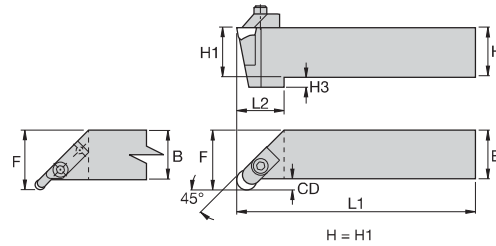
■ CRDP

order number	catalogue number	H	B	F	L1	L2	H3	CD	gage insert	nest	clamp	clamp screw	hex
3871510	CRDPN2525M06V	25	25	12,5	151	—	—	19,0	R..X060400E	NST1	CM214	MS1321	2.5 mm
3871512	CRDPN3232P09V	32	32	16,0	171	—	—	29,0	R..X090700E	NST2	CM219	CS412	9/64
3871511	CRDPN2525M09V	25	25	12,5	151	—	—	29,0	R..X090700E	NST2	CM219	CS412	9/64
3871514	CRDPN3232P12V	32	32	16,0	171	—	—	38,0	R..X120700E	NST3	CM216	CS412	9/64
3871513	CRDPN2525M12V	25	25	12,5	151	38,1	6,4	38,0	R..X120700E	NST3	CM216	CS412	9/64

NOTE: CRDP toolholders are able to use RPGX and RCGX insert styles.



See page B184 for inserts.

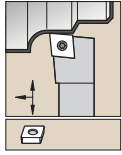


■ CRGP

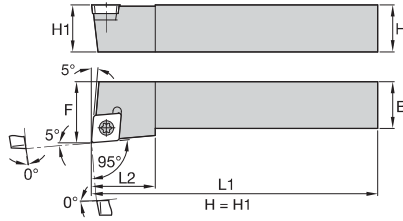
order number	catalogue number	H	B	F	L1	L2	H3	CD	gage insert	nest	clamp	clamp screw	hex
right hand													
3871515	CRGPR2525M06V	25	25	32,0	151	—	—	7,3	R..X060400E	NST1	CM214	MS1321	2,5 mm
3871519	CRGPR3232P09V	32	32	40,0	171	—	—	8,3	R..X090700E	NST2	CM219	CS412	9/64
3871517	CRGPR2525M09V	25	25	32,0	151	—	—	7,3	R..X090700E	NST2	CM219	CS412	9/64
3871521	CRGPR2525M12V	25	25	32,0	151	27,1	6,4	7,3	R..X120700E	NST3	CM216	CS412	9/64
left hand													
3871516	CRGPL2525M06V	25	25	32,0	151	—	—	7,3	R..X060400E	NST1	CM214	MS1321	2,5 mm
3871520	CRGPL3232P09V	32	32	40,0	171	—	—	8,3	R..X090700E	NST2	CM219	CS412	9/64
3871518	CRGPL2525M09V	25	25	32,0	151	—	—	7,3	R..X090700E	NST2	CM219	CS412	9/64
3871524	CRGPL3232P12V	32	32	40,0	171	37,1	—	8,3	R..X120700E	NST3	CM216	CS412	9/64
3871522	CRGPL2525M12V	25	25	32,0	151	27,1	6,4	7,3	R..X120700E	NST3	CM216	CS412	9/64

NOTE: CRGP toolholders are able to use RPGX and RCGX insert styles.

Tools for External Turning and Internal Boring



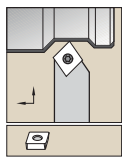
See pages B30–B46 for inserts.



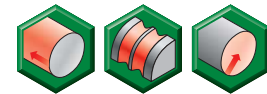
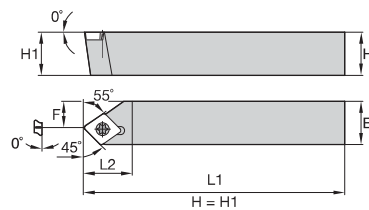
Tools for External Turning and Internal Boring

■ SCLC 95°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
3900169	SCLCR1010E06	10	10	12,0	70	12,0	CC..060204	—	—	—	MS1153	T7
3900172	SCLCR1212F06	12	12	16,0	80	12,0	CC..060204	—	—	—	MS1153	T7
3900170	SCLCR1212F09	12	12	16,0	80	16,0	CC..09T308	—	—	—	MS1155	T15
3879416	SCLCR1616H09	16	16	20,0	100	16,0	CC..09T308	SKCP343	SRS3	3.5 mm	MS1156	T15
3879417	SCLCR2020K09	20	20	25,0	125	16,0	CC..09T308	SKCP343	SRS3	3.5 mm	MS1156	T15
3879414	SCLCR2020K12	20	20	25,0	125	20,0	CC..120408	SKCP453	SRS4	4 mm	MS1158	T15
3879418	SCLCR2525M12	25	25	32,0	150	19,8	CC..120408	SKCP453	SRS4	4 mm	MS1158	T15
left hand												
3900171	SCLCL1010E06	10	10	12,0	70	12,0	CC..060204	—	—	—	MS1153	T7
3900173	SCLCL1212F06	12	12	16,0	80	12,0	CC..060204	—	—	—	MS1153	T7
3900168	SCLCL1212F09	12	12	16,0	80	16,0	CC..09T308	—	—	—	MS1155	T15
3879411	SCLCL1616H09	16	16	20,0	100	16,0	CC..09T308	SKCP343	SRS3	3.5 mm	MS1156	T15
3879412	SCLCL2020K09	20	20	25,0	125	16,0	CC..09T308	SKCP343	SRS3	3.5 mm	MS1156	T15
3879415	SCLCL2020K12	20	20	25,0	125	20,0	CC..120408	SKCP453	SRS4	4 mm	MS1158	T15
3879413	SCLCL2525M12	25	25	32,0	150	19,8	CC..120408	SKCP453	SRS4	4 mm	MS1158	T15

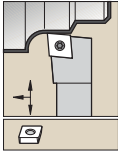


See pages B30–B46 for inserts.

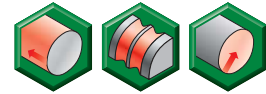
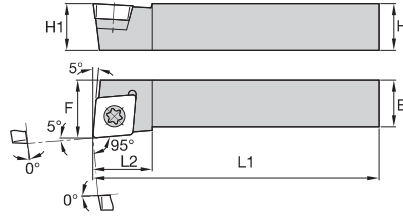


■ SCDP 45°

order number	catalogue number	H	B	F	L1	L2	gage insert	insert screw	Torx
right hand									
5094163	SCDPR1212H06	12	12	7,0	100	14,0	CP..060203	MS1153	T7
left hand									
5094162	SCDPL1212H06	12	12	7,0	100	14,0	CP..060203	MS1153	T7

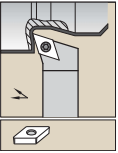


See pages B30–B46 for inserts.

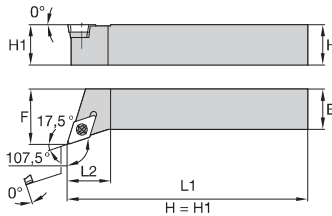


■ SCLP 95°

order number	catalogue number	H	B	F	L1	L2	gage insert	insert screw	Torx
right hand									
5094217	SCLPR1010M06	10	10	11,0	150	11,4	CP..060203	MS1153	T7
5094218	SCLPR1212M06	12	12	13,0	150	11,4	CP..060203	MS1153	T7
left hand									
5094212	SCLPL1212M06	12	12	13,0	150	11,4	CP..060203	MS1153	T7

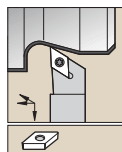


See pages B47–B64 for inserts.

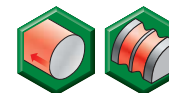
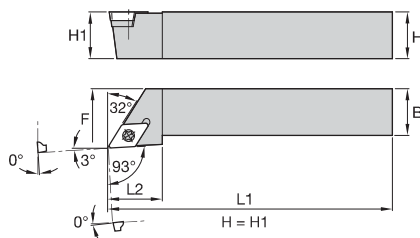


■ SDHC 107,5°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
3879435	SDHCR1616H11	16	16	20,0	100	20,0	DC..11T308	SKDP343	SRS3	3.5 mm	MS1156	T15
3879437	SDHCR2020K11	20	20	25,0	125	20,0	DC..11T308	SKDP343	SRS3	3.5 mm	MS1156	T15
3879440	SDHCR2525M11	25	25	32,0	150	20,0	DC..11T308	SKDP343	SRS3	3.5 mm	MS1156	T15
3879436	SDHCR2525M15	25	25	32,0	150	25,0	DC..150408	SKDP453	SRS4	4 mm	MS1158	T15
left hand												
3879433	SDHCL1616H11	16	16	20,0	100	20,0	DC..11T308	SKDP343	SRS3	3.5 mm	MS1156	T15
3879439	SDHCL2020K11	20	20	25,0	125	20,0	DC..11T308	SKDP343	SRS3	3.5 mm	MS1156	T15
3879438	SDHCL2525M11	25	25	32,0	150	20,0	DC..11T308	SKDP343	SRS3	3.5 mm	MS1156	T15
3879434	SDHCL2525M15	25	25	32,0	150	25,0	DC..150408	SKDP453	SRS4	4 mm	MS1158	T15



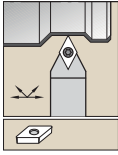
See pages B47–B64 for inserts.



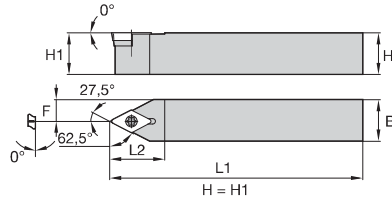
Tools for External Turning and Internal Boring

SDJC 93°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
3879464	SDJCR1010M07	10	10	12,0	150	16,0	DC..070204	—	—	—	MS1153	T7
3899890	SDJCR1212F07	12	12	16,0	80	16,0	DC..070204	—	—	—	MS1153	T7
3900177	SDJCR1212F11	12	12	16,0	80	22,0	DC..11T308	—	—	—	MS1155	T15
3879456	SDJCR1616H07	16	16	20,0	100	16,0	DC..070204	—	—	—	MS1153	T7
3879459	SDJCR1616H11	16	16	20,0	100	22,0	DC..11T308	SKDP343	SRS3	3,5 mm	MS1156	T15
3879458	SDJCR2020K07	20	20	25,0	125	16,0	DC..070204	—	—	—	MS1153	T7
3879460	SDJCR2020K11	20	20	25,0	125	22,0	DC..11T308	SKDP343	SRS3	3,5 mm	MS1156	T15
3879457	SDJCR2020K15	20	20	25,0	125	32,0	DC..150408	SKDP453	SRS4	4 mm	MS1158	T15
3879461	SDJCR2525M11	25	25	32,0	150	22,0	DC..11T308	SKDP343	SRS3	3,5 mm	MS1156	T15
3879463	SDJCR2525M15	25	25	32,0	150	32,0	DC..150408	SKDP453	SRS4	4 mm	MS1158	T15
3900175	SDJCR3225P15	32	25	32,0	170	32,0	DC..150408	SKDP453	SRS4	4 mm	MS1158	T15
left hand												
3899892	SDJCL1010E07	10	10	12,0	70	16,0	DC..070204	—	—	—	MS1153	T7
3899891	SDJCL1212F07	12	12	16,0	80	16,0	DC..070204	—	—	—	MS1153	T7
3900176	SDJCL1212F11	12	12	16,0	80	22,0	DC..11T308	—	—	—	MS1155	T15
3879441	SDJCL1616H07	16	16	20,0	100	16,0	DC..070204	—	—	—	MS1153	T7
2024450	SDJCL1616H11	16	16	20,0	100	21,0	DC..11T3..	—	—	—	12148038800	T15
3879454	SDJCL1616H11	16	16	20,0	100	22,0	DC..11T308	SKDP343	SRS3	3,5 mm	MS1156	T15
3879442	SDJCL2020K07	20	20	25,0	125	16,0	DC..070204	—	—	—	MS1153	T7
3879462	SDJCL2020K11	20	20	25,0	125	22,0	DC..11T308	SKDP343	SRS3	3,5 mm	MS1156	T15
3879848	SDJCL2020K15	20	20	25,0	125	32,0	DC..150408	SKDP453	SRS4	4 mm	MS1158	T15
3879453	SDJCL2525M11	25	25	32,0	150	22,0	DC..11T308	SKDP343	SRS3	3,5 mm	MS1156	T15
3879455	SDJCL2525M15	25	25	32,0	150	32,0	DC..150408	SKDP453	SRS4	4 mm	MS1158	T15
3900174	SDJCL3225P15	32	25	32,0	170	32,0	DC..150408	SKDP453	SRS4	4 mm	MS1158	T15

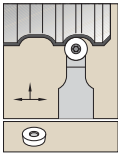


See pages B47–B64 for inserts.

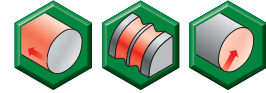
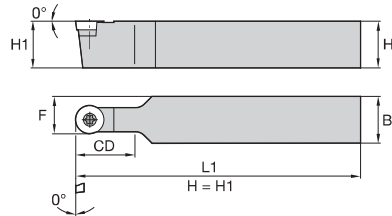


SDNC 62,5°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	insert screw	Torx
left hand												
3879468	SDNCN0808L07	8	8	4,0	140	16,0	DC..070204	—	—	—	MS1153	T7
3879469	SDNCN1010M07	10	10	5,0	150	16,0	DC..070204	—	—	—	MS1153	T7
3900178	SDNCN1212F11	12	12	6,0	80	22,0	DC..11T308	SKDP343	SRS3	3,5 mm	MS1156	T15
3879465	SDNCN1616H11	16	16	8,0	100	22,0	DC..11T308	SKDP343	SRS3	3,5 mm	MS1156	T15
3879467	SDNCN2020K11	20	20	10,0	125	22,0	DC..11T308	SKDP343	SRS3	3,5 mm	MS1156	T15
3879849	SDNCN2525M11	25	25	12,5	150	25,0	DC..11T308	SKDP343	SRS3	3,5 mm	MS1156	T15
3879466	SDNCN2525M15	25	25	12,5	150	28,0	DC..150408	SKDP453	SRS4	4 mm	MS1158	T15
3900179	SDNCN3225P15	32	25	12,5	170	32,5	DC..150408	SKDP453	SRS4	4 mm	MS1158	T15

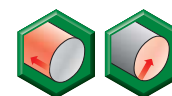
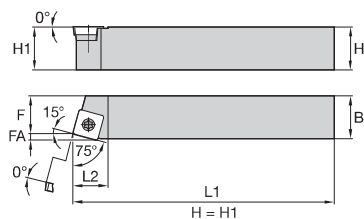
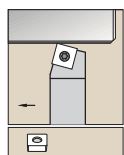


See pages B65–B67 for inserts.



SRDC

order number	catalogue number	H	B	F	L1	CD	gage insert	shim	shim screw	hex	insert screw	Torx
3879735	SRDCN1616H06	16	16	11,0	100	16,0	RC..0602M0	—	—	—	MS1153	T7
3879702	SRDCN1616H08	16	16	12,0	100	16,0	RC..0803M0	—	—	—	MS1154	T9
3900182	SRDCN2020K06	20	20	12,5	125	19,7	RC..0602M0	—	—	—	MS1153	T7
3879733	SRDCN2020K08	20	20	14,0	125	20,0	RC..0803M0	—	—	—	MS1154	T9
3879736	SRDCN2020K10	20	20	15,0	125	20,0	RC..10T3M0	SKRN100300	SRS3	3,5 mm	MS1156	T15
3900183	SRDCN2525M06	25	25	15,0	150	19,7	RC..0602M0	—	—	—	MS1153	T7
3879737	SRDCN2525M08	25	25	16,5	150	25,0	RC..0803M0	—	—	—	MS1154	T9
3879734	SRDCN2525M10	25	25	17,5	150	25,0	RC..10T3M0	SKRN100300	SRS3	3,5 mm	MS1156	T15
3879738	SRDCN2525M12	25	25	18,5	150	25,0	RC..1204M0	SKRN1203M0	SRS3	3,5 mm	MS1156	T15
3900181	SRDCN3225P12	32	25	8,0	170	28,0	RC..1204M0	SKRN1203M0	SRS3	3,5 mm	MS1156	T15
3900180	SRDCN3225P16	32	25	20,0	170	35,0	RC..1605M0	SKRN160400	SRS5	5 mm	MS1160	T20

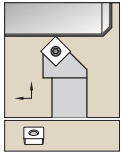


See pages B68–B80 for inserts.

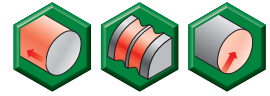
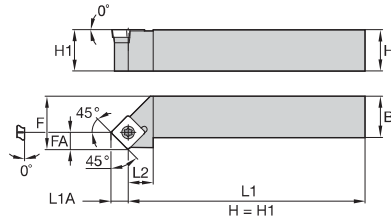
Tools for External Turning and Internal Boring

■ SSBC 75°

order number	catalogue number	H	B	F	L1	L2	FA	gage insert	shim	shim screw	hex	insert screw	Torx
right hand													
3879850	SSBCR1616H09	16	16	13,0	100	16,0	2,2	SC..096308	SKSP343	SRS3	3.5 mm	MS1156	T15
3879741	SSBCR2020K12	20	20	17,0	125	21,0	3,1	SC..120408	SKSP453	SRS4	4 mm	MS1158	T15
3879740	SSBCR2525M12	25	25	22,0	150	21,0	3,1	SC..120408	SKSP453	SRS4	4 mm	MS1158	T15
left hand													
3879739	SSBCL1616H09	16	16	13,0	100	16,0	2,2	SC..09T308	SKSP343	SRS3	3.5 mm	MS1156	T15
3879852	SSBCL2020K12	20	20	17,0	125	21,0	3,1	SC..120408	SKSP453	SRS4	4 mm	MS1158	T15
3879851	SSBCL2525M12	25	25	22,0	150	21,0	3,1	SC..120408	SKSP453	SRS4	4 mm	MS1158	T15



See pages B68–B80 for inserts.

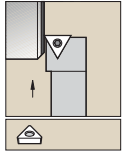


SSSC 45°

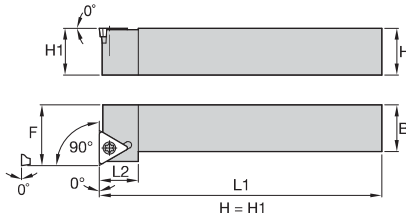
order number	catalogue number	H	B	F	L1	L2	FA	L1A	gage insert	shim	shim screw	hex	insert screw	Torx
right hand														
3879747	SSSCR1616H09	16	16	20,0	100	18,0	6,1	6,1	SC..09T308	SKSP343	SRS3	3,5 mm	MS1156	T15
3879746	SSSCR2020K12	20	20	25,0	125	25,0	8,3	8,3	SC..120408	SKSP453	SRS4	4 mm	MS1158	T15
3879744	SSSCR2525M12	25	25	32,0	150	25,0	8,3	8,3	SC..120408	SKSP453	SRS4	4 mm	MS1158	T15
left hand														
3879745	SSSCL1616H09	16	16	20,0	100	18,0	6,1	6,1	SC..09T308	SKSP343	SRS3	3,5 mm	MS1156	T15
3879743	SSSCL2020K12	20	20	25,0	125	25,0	8,3	8,3	SC..120408	SKSP453	SRS4	4 mm	MS1158	T15
3879742	SSSCL2525M12	25	25	32,0	150	25,0	8,3	8,3	SC..120408	SKSP453	SRS4	4 mm	MS1158	T15



Tools for External Turning and Internal Boring



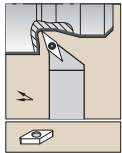
See pages B81–B93 for inserts.



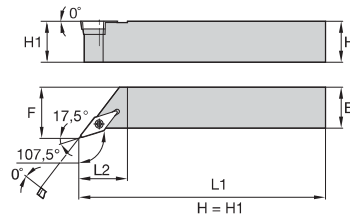
Tools for External Turning and Internal Boring

■ STFC 90°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
3900184	STFCR1212F11	12	12	16,0	80	13,0	TC..110204	—	—	—	MS1153	T7
3879763	STFCR2020K16	20	20	25,0	125	20,0	TC..16T308	SKTP343	SRS3	3,5 mm	MS1156	T15
3879750	STFCR2525M16	25	25	32,0	150	20,0	TC..16T308	SKTP343	SRS3	3,5 mm	MS1156	T15
left hand												
3879751	STFCL1616H16	16	16	20,0	100	20,0	TC..16T308	SKTP343	SRS3	3,5 mm	MS1156	T15
3879748	STFCL2020K16	20	20	25,0	125	20,0	TC..16T308	SKTP343	SRS3	3,5 mm	MS1156	T15
3879752	STFCL2525M16	25	25	32,0	150	20,0	TC..16T308	SKTP343	SRS3	3,5 mm	MS1156	T15

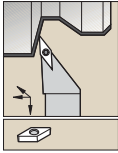


See pages B94–B99 for inserts.

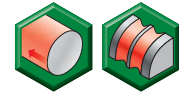
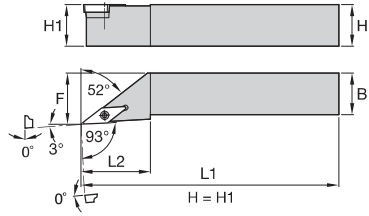


■ SVHB 107,5°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
3879767	SVHBR2020K16	20	20	25,0	125	28,0	VB..160408	SKVN343	SRS3	3,5 mm	MS1156	T15
3879765	SVHBR2525M16	25	25	32,0	150	28,0	VB..160408	SKVN343	SRS3	3,5 mm	MS1156	T15
3879853	SVHBR3225P16	32	25	32,0	170	25,0	VB..160408	SKVN343	SRS3	3,5 mm	MS1156	T15
left hand												
3879764	SVHBL2020K16	20	20	25,0	125	28,0	VB..160408	SKVN343	SRS3	3,5 mm	MS1156	T15
3879766	SVHBL2525M16	25	25	32,0	150	28,0	VB..160408	SKVN343	SRS3	3,5 mm	MS1156	T15
3879768	SVHBL3225P16	32	25	32,0	170	25,0	VB..160408	SKVN343	SRS3	3,5 mm	MS1156	T15

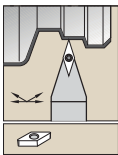


See pages B94–B99 for inserts.

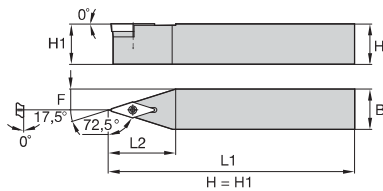


SVJB 93°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	insert screw	Torx
right hand												
3879769	SVJBR1616H16	16	16	20,0	100	35,0	VB..160408	SKVN343	SRS3	3.5 mm	MS1156	T15
3879776	SVJBR2020K16	20	20	25,0	125	35,0	VB..160408	SKVN343	SRS3	3.5 mm	MS1156	T15
3879775	SVJBR2525M16	25	25	32,0	150	35,0	VB..160408	SKVN343	SRS3	3.5 mm	MS1156	T15
3879773	SVJBR3225P16	32	25	32,0	170	35,0	VB..160408	SKVN343	SRS3	3.5 mm	MS1156	T15
left hand												
3879772	SVJBL1616H16	16	16	20,0	100	35,0	VB..160408	SKVN343	SRS3	3.5 mm	MS1156	T15
3879770	SVJBL2020K16	20	20	25,0	125	35,0	VB..160408	SKVN343	SRS3	3.5 mm	MS1156	T15
3879774	SVJBL2525M16	25	25	32,0	150	35,0	VB..160408	SKVN343	SRS3	3.5 mm	MS1156	T15
3879771	SVJBL3225P16	32	25	32,0	170	35,0	VB..160408	SKVN343	SRS3	3.5 mm	MS1156	T15



See pages B94–B99 for inserts.



SVVB 72,5°

order number	catalogue number	H	B	F	L1	L2	gage insert	shim	shim screw	hex	insert screw	Torx
3879777	SVVBN2020K16	20	20	10,0	125	33,0	VB..160408	SKVN343	SRS3	3.5 mm	MS1156	T15
3879778	SVVBN2525M16	25	25	12,5	150	33,0	VB..160408	SKVN343	SRS3	3.5 mm	MS1156	T15
3879779	SVVBN3225P16	32	25	12,5	170	33,0	VB..160408	SKVN343	SRS3	3.5 mm	MS1156	T15

Today's modern boring operations require the most reliable, high-performance tools. WIDIA™ offers an extensive range of toolholders for internal boring to meet even the most precise production demands across a broad spectrum of workpiece shapes and sizes.

Tools for Internal Boring



WIDIA boring bars, available with both a conventional steel shank or a vibration-resistant carbide shank and coolant hole, guarantee consistent results and enhanced production reliability.

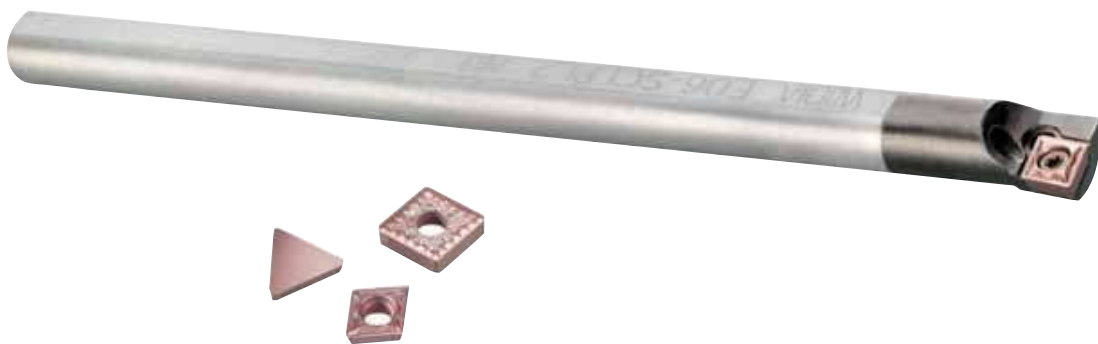
D-Style Clamping

- Used for negative style inserts.
- Clamp assembly contains clamp, screw, and retaining ring.
- Quick insert indexing.
- Ensures insert repeatability and seating.
- Reduced chatter and extended tool life.

P-Style Clamping

- Lever-type clamping system for negative indexable inserts.
- No interference to chip flow.
- Fast insert changes.

P-style available in metric sizes only.



S-Style Clamping

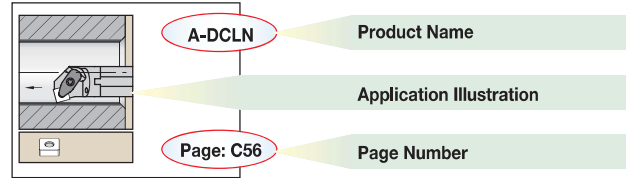
- Screw clamping system for positive indexable inserts.
- Compact design for high reliability and cost efficiency.
- Carbide shim for additional tool protection.

C-Style Clamping

- Height-adjustable clamp permits use of additional chipbreakers.
- Universal clamping system for positive and negative flat top inserts.
- Robust engineering makes it easy to handle.
- Carbide shim for extra tool protection.

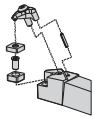


Each unique clamping system offers product options to fill your specific toolholder needs. Find the illustration that fits your application and navigate to the corresponding page to get the correct solution.

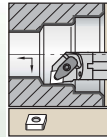


D-Style Clamping

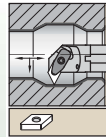
D



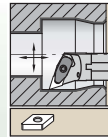
One-piece clamp assembly holder for use with negative style inserts. An extremely rigid clamping system. The tool is protected by a carbide shim.



A-DCLN
95°
Page:
C56



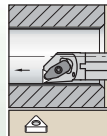
A-DDPN
117,5°
Page:
C56



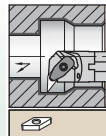
A-DDQN
107,5°
Page:
C57



A-DDUN
93°
Page:
C57



A-DTFN
90°
Page:
C58



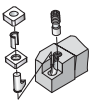
DVUN
93°
Page:
C58



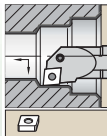
A-DWLN
95°
Page:
C59

P-Style Clamping

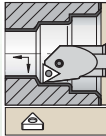
P



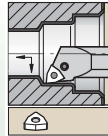
Lever-type clamping system for negative indexable inserts with hole to DIN 4988 and positive round inserts more than 20mm in diameter. Inserts with one- and two-side chip control geometries have positive rakes from 6° to 18°. Advantages of this system are fast insert changes and no interference with chip flow.



A-PCLN
95°
Page:
C60

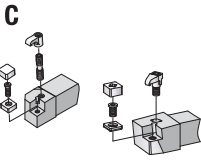


A-PTFN
90°
Page:
C60

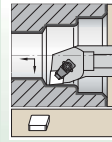


A-PWLN
95°
Page:
C61

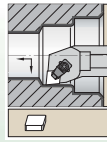
C-Style Clamping



Top clamping system for negative and positive indexable inserts to DIN 4968. This universal clamping system is robust and easy to handle. Some height-adjustable clamps enable the use of additional chipbreakers. A carbide shim provides additional tool protection. Toolholders with cutting edge heights upwards of 16mm and insert iCs greater than 6,35mm.



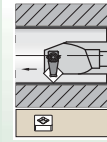
S-CCLN-MX
95°
Page: C62



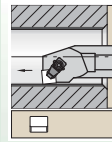
S-CCLN-MN
95°
Page: C62



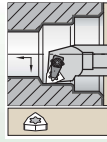
S-CDQN-MX
Page: C63



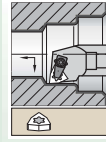
S-CSSN-MX
45°
Page: C63



S-CSYN-MN
85°
Page: C64

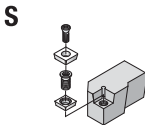


S-CWLN-MX
95°
Page: C64

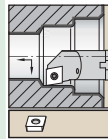


A-CTFP
90°
Page: C65

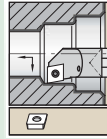
S-Style Clamping



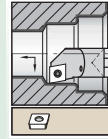
Screw clamping system for positive indexable inserts with countersunk hole to DIN 4967. Compact design using a minimum of spare parts for high reliability and cost efficiency. A carbide shim provides additional tool protection. Toolholders with cutting edge heights upwards of .625" and insert iCs from .375" are secured by means of a threaded bushing.



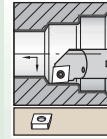
A-SCFP
90°
Page: C66



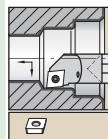
E-SCFC
90°
Page: C66



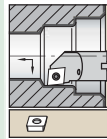
E-SCFP
90°
Page: C67



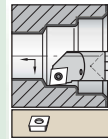
A-SCLC
95°
Page: C67



E-SCLC
95°
Page: C68



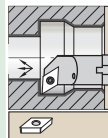
A-SCLP
95°
Page: C69



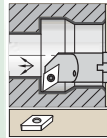
E-SCLP
95°
Page: C70



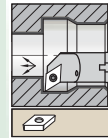
A-SDQC
107,5°
Page: C71



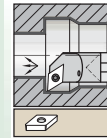
E-SDQC
107,5°
Page: C72



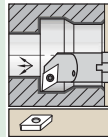
A-SDQP
Page: C72



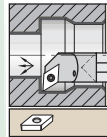
A-SDUC
93°
Page: C73



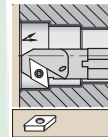
E-SDUC
93°
Page: C74



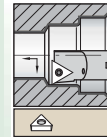
A-SDUP
93°
Page: C75



E-SDUP
93°
Page: C75



A-SDXP
95°
Page: C76



A-STFC
90°
Page: C76



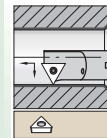
E-STFC
90°
Page: C77



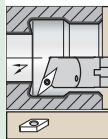
A-STFP
90°
Page: C78



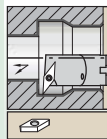
E-STFP
90°
Page: C79



A-STWP
60°
Page: C80



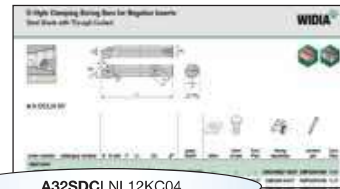
A-SVQB
107,5°
Page: C80













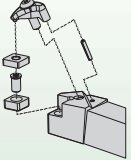
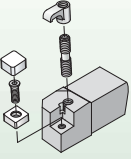
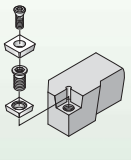
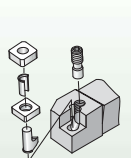
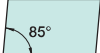
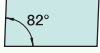




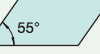







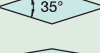

A-SVUB
93°
Page: C81

How Do Catalogue Numbers Work?

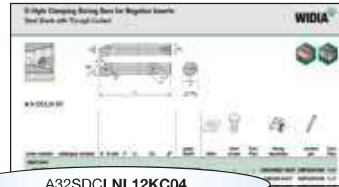
Each character in our catalogue number signifies a specific trait of that product. Use the following key columns and corresponding images to easily identify which attributes apply.














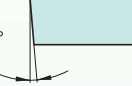
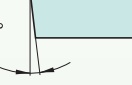

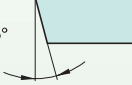
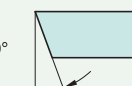
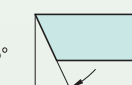
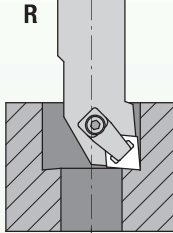
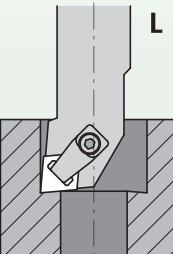










A32SDCLNL12KC04

A	32	S	D	C
Bar Type	Bar Diameter	Bar Length**	Insert Holding Method	Insert Shape
<p>A  Steel bar with coolant</p> <p>S  Steel bar without coolant</p> <p>C  Carbide bar</p> <p>D  DeVibrator bar with coolant</p> <p>D  Tunable bar with coolant</p> <p>E  Carbide bar with coolant</p> <p>B  DeVibrator</p> <p>H  Interchangeable head</p> <p>L  Heavy metal bar with coolant</p>	<p>32 </p> <p>Metric: A two-digit number indicates the bar diameter in mm. If the diameter is represented by a one digit number, a 0 (zero) will be used in front of it. Example: 8mm = 08</p>	<p>3 = F 3.5 = G 4 = H 4.5 = J 5 = K 5.5 = L 6 = M 6.5 = N 7 = Q 8 = R 10 = S 12 = T 14 = U 16 = V 18 = W 20 = Y</p> <p>**Used only when more than one length is available or a special length is required.</p>	<p>D </p> <p>C </p> <p>S </p> <p>P </p>	<p>A  85°</p> <p>B  82°</p> <p>C  80°</p> <p>D  55°</p> <p>E  75°</p> <p>H  120°</p> <p>K  55°</p> <p>L  90°</p> <p>M  86°</p> <p>O  135°</p> <p>P  108°</p> <p>R </p> <p>S  90°</p> <p>T  60°</p> <p>V  35°</p> <p>W  80°</p>

By referencing this easy-to-use guide, you can identify the correct product to meet your needs.

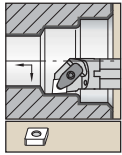


A32SDCLNL12KC04

L	N	L	12	KC04
Bar Style or Lead Angle	Insert Clearance Angle	Hand of Tool	Insert Size Cutting Edge Length L10	Additional Information
<p>E </p> <p>F </p> <p>K </p> <p>L </p> <p>(E-style inserts)</p> <p>L </p> <p>P </p> <p>Q </p> <p>S </p> <p>U </p> <p>X </p>	<p>N 0° </p> <p>B 5° </p> <p>C 7° </p> <p>P 11° </p> <p>D 15° </p> <p>E 20° </p> <p>F 25° </p>	<p>R = Right-hand boring bar</p> <p>R </p> <p>L = Left-hand boring bar</p> <p>L </p>	<p>H </p> <p>O </p> <p>P </p> <p>S </p> <p>T </p> <p>CDE M V </p> <p>W </p> <p>L </p> <p>A B K </p> <p>R </p>	<p>M... = M.. MF, MN, MX, for ceramic and PcBN inserts</p> <p>KC = D-Style Clamping</p> <p>+ = Insert thickness</p>

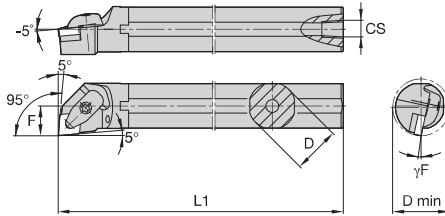
D-Style Clamping Boring Bars for Negative Inserts

Steel Shank with Through Coolant



Steel shank with through coolant.

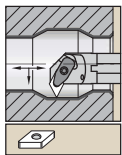
See pages B30–B46 for inserts.



Tools for External Turning and Internal Boring

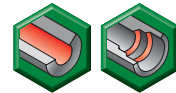
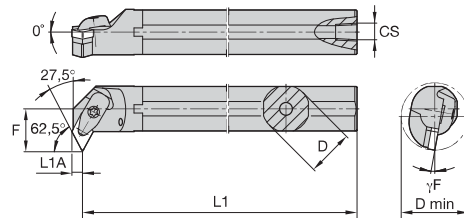
■ A-DCLN 95°

order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus
right hand														
5696071	A25RDCLNR12KC04	25	32,0	17,0	200	1/4-18 NPT	-12,0	CN..120408	—	—	—	CM234RLP ASSY	SSP025016M	15 IP
5696073	A32SDCLNR12KC04	32	40,0	22,0	250	1/4-18 NPT	-12,0	CN..120408	ICSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP
5696075	A40TDCLNR12KC04	40	50,0	27,0	300	1/4-18 NPT	-9,0	CN..120408	ICSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP
5696077	A40TDCLNR16KC06	32	45,0	27,0	250	1/4-18 NPT	-12,0	CN..160612	ICSN533	KMSP515IP	15 IP	CM209R ASSY	SSP025018M	15 IP
left hand														
5696072	A25RDCLNL12KC04	25	32,0	17,0	200	1/4-18 NPT	-12,0	CN..120408	—	—	—	CM234RLP ASSY	SSP025016M	15 IP
5696074	A32SDCLNL12KC04	40	50,0	27,0	300	1/4-18 NPT	-9,0	CN..120408	ICSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP
5696076	A40TDCLNL12KC04	32	45,0	27,0	250	1/4-18 NPT	-12,0	DN..150608	ICSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP
5696078	A40TDCLNL16KC06	32	45,0	27,0	250	1/4-18 NPT	-12,0	CN..160612	ICSN533	KMSP515IP	15 IP	CM209R ASSY	SSP025018M	15 IP



Steel shank with through coolant.

See pages B47–B64 for inserts.

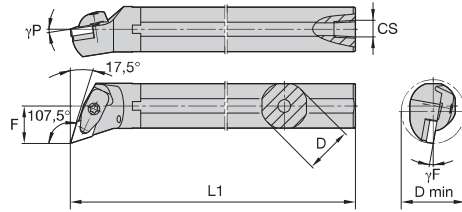


■ A-DDPN 117,5°

order number	catalogue number	D	D min	F	L1	L1A	CS	γF°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus
right hand															
5696079	A25RDDPNR11KC04	32	45,0	27,0	250	6,5	1/4-18 NPT	-12,0	DN..150608	IDSN322	KMSP315IP	15 IP	CM234RLP ASSY	SSP025016M	15 IP
5696080	A32SDDPNR15KC06	40	52,0	30,0	300	6,6	1/4-18 NPT	-10,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP
5696082	A40TDDPNR15KC06	40	52,0	30,0	300	6,6	1/4-18 NPT	-10,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP
left hand															
5696081	A32SDDPNL15KC06	40	52,0	30,0	300	6,6	1/4-18 NPT	-10,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP
5696083	A40TDDPNL15KC06	40	52,0	30,0	300	6,6	1/4-18 NPT	-10,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP

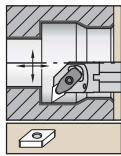


Steel shank with through coolant.
See pages B47–B64 for inserts.

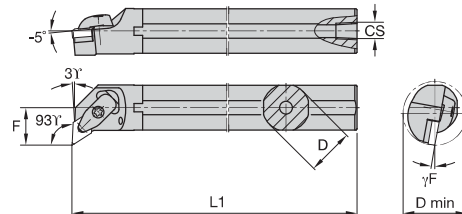


■ A-DDQN 107,5°

order number	catalogue number	D	D min	F	L1	CS	γ_F°	γ_P°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus
right hand															
5696085	A32SDDQNR15KC06	32	40,0	22,0	250	1/4-18 NPT	-12,0	-10,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234RLP ASSY	SSP025016M	15 IP
5696087	A40TDDQNR15KC06	40	50,0	27,0	300	1/4-18 NPT	-10,0	-10,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP
left hand															
5696086	A32SDDQNL15KC06	32	40,0	22,0	250	1/4-18 NPT	-12,0	-10,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234RLP ASSY	SSP025016M	15 IP
5696088	A40TDDQNL15KC06	40	50,0	27,0	300	1/4-18 NPT	-10,0	-10,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP



Steel shank with through coolant.
See pages B47–B64 for inserts.



■ A-DDUN 93°

order number	catalogue number	D	D min	F	L1	CS	γ_F°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus	
right hand															
5696089	A25RDDUNR11KC04	25	32,0	17,0	200	1/4-18 NPT	-12,0	DN..110408	—	—	—	CM234RLP ASSY	SSP025016M	15 IP	
5696211	A32SDDUNR11KC04	32	40,0	22,0	250	1/4-18 NPT	-12,0	DN..110408	IDSN322	KMSP315IP	15 IP	CM234R ASSY	SSP025016M	15 IP	
5696213	A32SDDUNR15KC06	32	40,0	22,0	250	1/4-18 NPT	-12,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP	
5696215	A40TDDUNR15KC06	40	50,0	27,0	300	1/4-18 NPT	-9,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP	
5696217	A50UDDUNR15KC06	50	63,0	35,0	350	1/4-18 NPT	-7,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP	
left hand															
5696210	A25RDDUNL11KC04	25	32,0	17,0	200	1/4-18 NPT	-12,0	DN..110408	—	—	—	CM234RLP ASSY	SSP025016M	15 IP	
5696212	A32SDDUNL11KC04	32	40,0	22,0	250	1/4-18 NPT	-12,0	DN..110408	IDSN322	KMSP315IP	15 IP	CM234R ASSY	SSP025016M	15 IP	
5696214	A32SDDUNL15KC06	32	40,0	22,0	250	1/4-18 NPT	-12,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP	
5696216	A40TDDUNL15KC06	40	50,0	27,0	300	1/4-18 NPT	-9,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP	
5696218	A50UDDUNL15KC06	50	63,0	35,0	350	1/4-18 NPT	-7,0	DN..150608	IDSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP	

D-Style Clamping Boring Bars for Negative Inserts

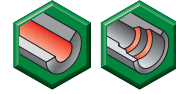
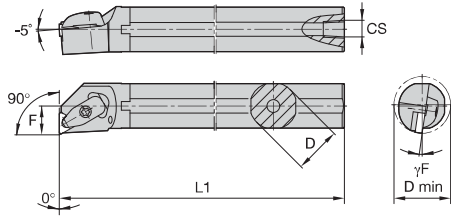
Steel Shank with Through Coolant



Tools for External Turning and Internal Boring

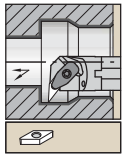


Steel shank with through coolant.
See pages B81–B93 for inserts.

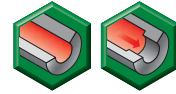
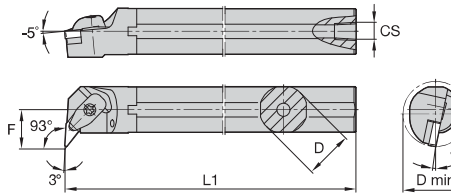


■ A-DTFN 90°

order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus
right hand														
5696219	A25RDTFNR16KC04	25	32,0	17,0	200	1/4-18 NPT	-14,0	TN..160408	ITSN323	KMSP315IP	15 IP	CM234RLP ASSY	SSP025016M	15 IP
5696261	A32SDTFNR16KC04	32	40,0	22,0	250	1/4-18 NPT	-12,0	TN..160408	ITSN323	KMSP315IP	15 IP	CM234RLP ASSY	SSP025016M	15 IP
left hand														
5696260	A25RDTFNL16KC04	25	32,0	17,0	200	1/4-18 NPT	-14,0	TN..160408	ITSN323	KMSP315IP	15 IP	CM234RLP ASSY	SSP025016M	15 IP
5696262	A32SDTFNL16KC04	32	40,0	22,0	250	1/4-18 NPT	-12,0	TN..160408	ITSN323	KMSP315IP	15 IP	CM234RLP ASSY	SSP025016M	15 IP

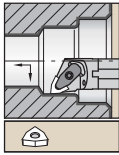


Steel shank with through coolant.
See pages B94–B99 for inserts.

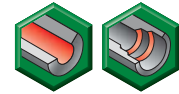
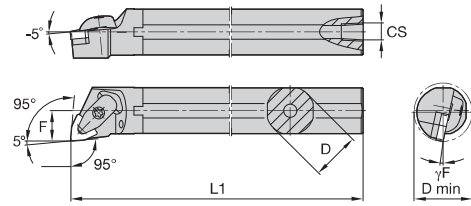


■ A-DVUN 93°

order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus
right hand														
5696263	A32SDVUNR16KC04	32	40,0	22,0	250	1/4-18 NPT	-9,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM234R ASSY	SSP025016M	15 IP
5696265	A40TDVUNR16KC04	40	50,0	27,0	300	1/4-18 NPT	-8,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	SSP025016M	15 IP
left hand														
5696264	A32SDVUNL16KC04	32	40,0	22,0	250	1/4-18 NPT	-9,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM234R ASSY	SSP025016M	15 IP
5696266	A40TDVUNL16KC04	40	50,0	27,0	300	1/4-18 NPT	-8,0	VN..160408	IVSN322	KMSP315IP	15 IP	CM215R ASSY	SSP025016M	15 IP



Steel shank with through coolant.
See pages B99–B105 for inserts.

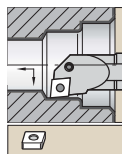


■ A-DWLN 95°

order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	shim	shim screw	Torx Plus	clamp assembly	slotted pin	Torx Plus
right hand														
5696267	A25RDWLN06KC04	25	32,0	17,0	200	1/4-18 NPT	-14,0	WN..060408	—	—	—	CM234RLP ASSY	SSP025016M	15 IP
5696269	A25RDWLN08KC04	25	32,0	17,0	200	1/4-18 NPT	-12,0	WN..080408	—	—	—	CM234RLP ASSY	SSP025016M	15 IP
5696281	A32SDWLN08KC04	32	40,0	22,0	250	1/4-18 NPT	-14,0	WN..080408	IWSN433	KMSP415IP	15 IP	CM234RLP ASSY	SSP025016M	15 IP
5696283	A40TDWLN08KC04	40	50,0	27,0	300	1/4-18 NPT	-14,0	WN..080408	IWSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP
left hand														
5696268	A25RDWLN06KC04	25	32,0	17,0	200	1/4-18 NPT	-14,0	WN..060408	—	—	—	CM234RLP ASSY	SSP025016M	15 IP
5696280	A25RDWLN08KC04	25	32,0	17,0	200	1/4-18 NPT	-12,0	WN..080408	—	—	—	CM234RLP ASSY	SSP025016M	15 IP
5696282	A32SDWLN08KC04	32	40,0	22,0	250	1/4-18 NPT	-14,0	WN..080408	IWSN433	KMSP415IP	15 IP	CM234RLP ASSY	SSP025016M	15 IP
5696284	A40TDWLN08KC04	40	50,0	27,0	300	1/4-18 NPT	-14,0	WN..080408	IWSN433	KMSP415IP	15 IP	CM234R ASSY	SSP025016M	15 IP

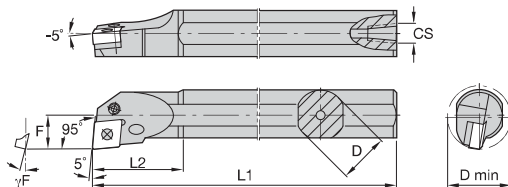
Tools for External Turning and Internal Boring

Tools for External Turning and Internal Boring



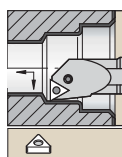
Steel shank with through coolant.

See pages B30–B46 for inserts.



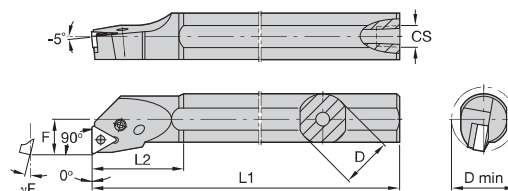
■ **A-PCLN 95°**

order number	catalogue number	D	D min	F	L1	L2	CS	γF°	gage insert	shim	shim pin	pin	toggle lever	lever screw	Torx Plus
right hand															
3883468	A25TPCLNR12	25	32,0	17,0	300	40	1/4-18 NPT	-12,0	CN..120408	—	—	—	511.022	514.122	10 IP
3883466	A32UPCLNR12	32	40,0	22,0	350	50	1/4-18 NPT	-10,0	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP
3883463	A40VPCLNR12	40	50,0	27,0	400	55	1/4-18 NPT	-10,0	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP
3883442	A40VPCLNR16	40	50,0	27,0	400	55	1/4-18 NPT	-11,0	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP
left hand															
3883469	A25TPCLNL12	25	32,0	17,0	300	40	1/4-18 NPT	-12,0	CN..120408	—	—	—	511.022	514.122	10 IP
3883467	A32UPCLNL12	32	40,0	22,0	350	50	1/4-18 NPT	-10,0	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP
3883465	A40VPCLNL12	40	50,0	27,0	400	55	1/4-18 NPT	-10,0	CN..120408	512.112	513.023	515.018	511.023	514.123	15 IP
3883464	A40VPCLNL16	40	50,0	27,0	400	55	1/4-18 NPT	-11,0	CN..160612	512.117	513.025	515.022	511.025	514.125	15 IP



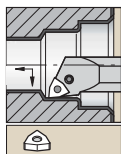
Steel shank with through coolant.

See pages B81–B93 for inserts.

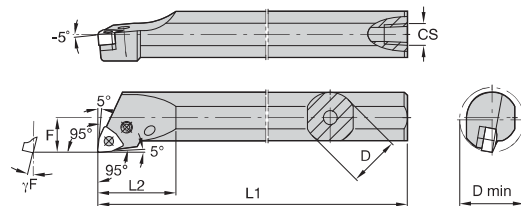


■ **A-PTFN 90°**

order number	catalogue number	D	D min	F	L1	L2	CS	γF°	gage insert	shim	shim pin	pin	toggle lever	lever screw	Torx Plus
right hand															
3883263	A25TPTFNR16	25	32,0	17,0	300	40	1/4-18 NPT	-12,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3883151	A32UPTFNR16	32	40,0	22,0	350	50	1/4-18 NPT	-10,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3883149	A40VPTFNR22	40	48,0	27,0	400	55	1/4-18 NPT	-10,0	TN..220408	512.023	513.023	515.018	511.023	514.123	15 IP
left hand															
3883264	A25TPTFNL16	25	32,0	17,0	300	40	1/4-18 NPT	-12,0	TN..160408	512.013	513.018	515.018	511.018	514.118	10 IP
3883150	A40VPTFNL22	40	48,0	27,0	400	55	1/4-18 NPT	-10,0	TN..220408	512.023	513.023	515.018	511.023	514.123	15 IP



Steel shank with through coolant.
See pages B99–B105 for inserts.

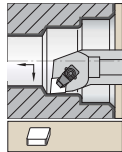


■ A-PWLN 95°

order number	catalogue number	D	D min	F	L1	L2	CS	γF°	gage insert						
										shim	shim pin	pin	toggle lever	lever screw	Torx Plus
right hand															
3883459	A16RPWLN06	16	27,0	11,0	200	32	1/8-27 NPT	-12,0	WN..060408	—	—	—	511.030	514.112	—
3883455	A20SPWLN06	20	25,0	13,0	250	—	1/8-27 NPT	-14,0	WN..060408	—	—	—	511.030	514.112	8 IP
3883458	A25RPWLN08	25	32,0	17,0	200	—	1/4-18 NPT	-12,0	WN..080408	512,135	513,023	515,018	511,023	514,123	15 IP
3883454	A32SPWLN08	32	40,0	22,0	250	50	1/4-18 NPT	-10,0	WN..080408	512,135	513,023	515,018	511,023	514,123	—
left hand															
3883461	A16RPWLN06	16	27,0	11,0	200	32	1/8-27 NPT	-12,0	WN..060408	—	—	—	511,030	514,112	—
3883457	A20SPWLN06	20	25,0	13,0	250	—	1/8-27 NPT	-14,0	WN..060408	—	—	—	511,030	514,112	8 IP
3883456	A32SPWLN08	32	40,0	22,0	250	50	1/4-18 NPT	-10,0	WN..080408	512,135	513,023	515,018	511,023	514,123	—

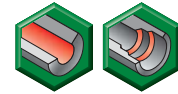
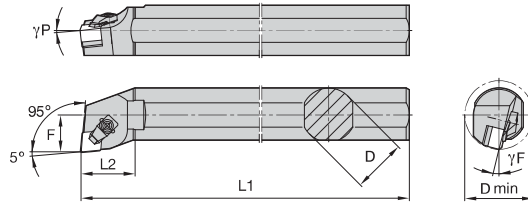
Tools for External Turning and Internal Boring

Tools for External Turning and Internal Boring



See pages B177–B179 and B197–B205 for inserts,

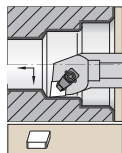
Steel shank with through coolant.



■ **S-CCLN-MX 95°**

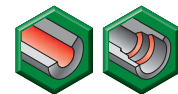
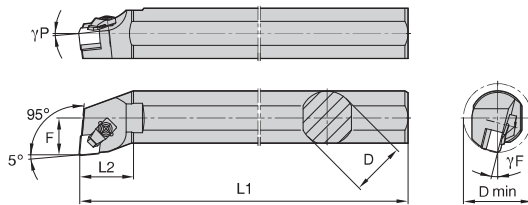
order number	catalogue number	D	D min	F	L1	L2	γF°	γP°	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand														
3883565	S32SCCLNR12MX7	32	40,0	22,0	251	43	-14,0	-5,0	CN.X120708	—	—	—	551,316	4 mm
3029009	S40TCCLNR12MX7	40	55,0	27,0	300	40	-14,0	-6,0	CN.X120708	552,221	554,252	2,5 mm	551,316	4 mm
left hand														
3883564	S32SCCLNL12MX7	32	40,0	22,0	251	43	-14,0	-5,0	CN.X120708	—	—	—	551,316	4 mm
3029010	S40TCCLNL12MX7	40	55,0	27,0	300	40	-14,0	-6,0	CN.X120708	552,221	554,252	2,5 mm	551,316	4 mm

NOTE: MN – clamping version is shown.



See pages B177–B179 and B197–B205 for inserts,

Steel shank with through coolant.



■ **S-CCLN-MN 95°**

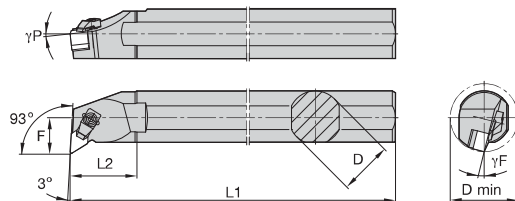
order number	catalogue number	D	D min	F	L1	L2	γF°	γP°	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex
right hand															
3029011	S40TCCLNR12MN4	40	55,0	27,0	300	40	-14,0	-6,0	CN.N120408	552,220	554,252	2,5 mm	557,111	551,317	4 mm
3029143	S40TCCLNR12MN7	40	55,0	27,0	300	40	-14,0	-6,0	CN.N120708	552,221	554,253	2,5 mm	557,111	551,317	4 mm
left hand															
3029012	S40TCCLNL12MN4	40	55,0	27,0	300	40	-14,0	-6,0	CN.N120408	552,220	554,252	2,5 mm	557,111	551,317	4 mm
3029144	S40TCCLNL12MN7	40	55,0	27,0	300	40	-14,0	-6,0	CN.N120708	552,221	554,252	2,5 mm	557,111	551,317	4 mm

NOTE: MN – clamping version is shown.



See pages B180–B181 and B206–B216 for inserts.

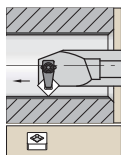
Steel shank with through coolant.



■ S-CDQN-MX

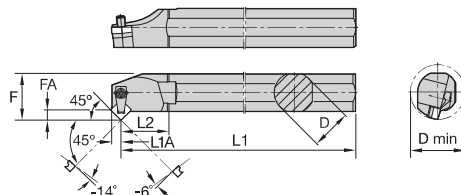
order number	catalogue number	D	D min	F	L1	L2	γF°	γP°	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand														
3883567	S40TCDQNR12MX7	40	50,0	27,0	302	45,0	-14,0	-5,0	DN.X120708	552.225	554.254	2.5 mm	551.316	4 mm
left hand														
3883566	S40TCDQNL12MX7	40	50,0	27,0	302	45,0	-14,0	-5,0	DN.X120708	552.225	554.254	2.5 mm	551.316	4 mm

NOTE: MN – clamping version is shown.



See pages B186–B191 and B211–B212 for inserts.

Steel shank with through coolant.

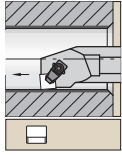


■ S-CSSN-MX 45°

order number	catalogue number	D	D min	F	L1	L2	L1A	FA	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand														
3029151	S40TCSSNR12MX7	40	55,0	27,0	300	67,0	8,5	8,2	SN.X120708	552.232	554.252	2.5 mm	551.316	4 mm
left hand														
3029152	S40TCSSNL12MX7	40	55,0	27,0	300	67,0	8,5	8,2	SN.X120708	552.232	554.252	2.5 mm	551.316	4 mm

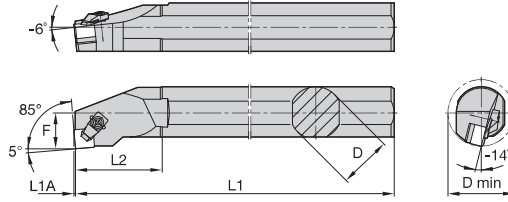
NOTE: MX – clamping version is shown.

Tools for External Turning and Internal Boring



See pages B186–B191 and B211–B212 for inserts.

Steel shank with through coolant.



■ **S-CSYN-MN 85°**

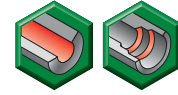
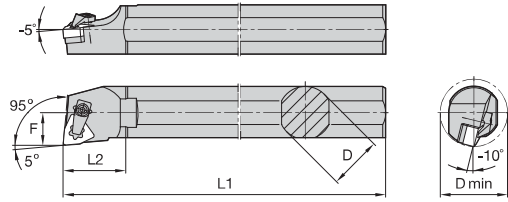
order number	catalogue number	D	D min	F	L1	L2	L1A	gage insert	shim	shim screw	hex	thrust plate	clamp assembly	hex	
right hand															
3883569	S40TCSYNR12MN7	40	55,0	27,0	300	67,0	1,0	SN.N120708	552.232	554.252	2.5 mm	557.111	551.317	4 mm	
left hand															
3883568	S40TCSYNL12MN7	40	55,0	27,0	300	67,0	1,0	SN.N120708	552.232	554.252	2.5 mm	557.111	551.317	4 mm	

NOTE: MN – clamping version is shown.



See pages B195–B198 and B218 for inserts.

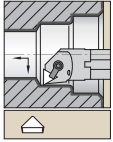
Steel shank with through coolant.



■ **S-CWLN-MX 95°**

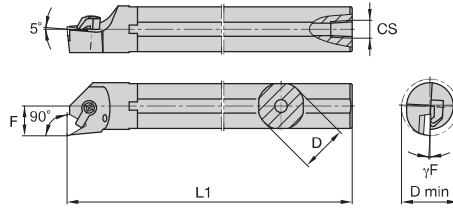
order number	catalogue number	D	D min	F	L1	L2	gage insert	shim	shim screw	hex	clamp assembly	hex
right hand												
3029153	S40TCWLN08MX7	40	80,0	27,0	300	55,0	WN.X080708	552.210	554.252	2.5 mm	551.316	4 mm
left hand												
3029154	S40TCWLN08MX7	40	80,0	27,0	300	55,0	WN.X080708	552.210	554.252	2.5 mm	551.316	4 mm

NOTE: MX – clamping version is shown.



See pages B192–B194 and B212–B216 for inserts.

Steel shank with through coolant.



■ A-CTFP 90°

order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	shim	shim screw	hex	clamp	clamp screw	hex	
right hand															
3883451	A16RCTFPR11	16	20,0	11,0	200	1/8-27 NPT	-4,0	TP..110304	—	—	—	CKM19	STCM9	2,5 mm	
3883450	A25RCTFPR16	25	32,0	17,0	200	1/4-18 NPT	-3,0	TP..160308	SM841	MS110	2 mm	CKM10	STCM8	4 mm	
left hand															
3883453	A16RCTFPL11	16	20,0	11,0	200	1/8-27 NPT	-4,0	TP..110304	—	—	—	CKM19	STCM9	2,5 mm	
3883452	A25RCTFPL16	25	32,0	17,0	200	1/4-18 NPT	-3,0	TP..160308	SM841	MS110	2 mm	CKM10	STCM8	4 mm	

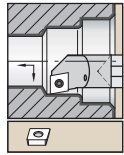
Tools for External Turning and Internal Boring

S-Style Clamping Boring Bars for Positive Inserts

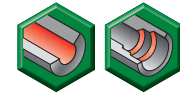
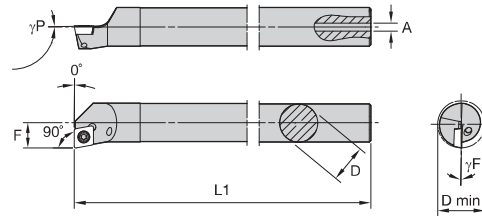
Carbide Shank with Through Coolant



Tools for External Turning and Internal Boring



Carbide shank with through coolant.
See pages B30–B46 for inserts.



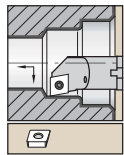
■ E-SCFC 90°

order number	catalogue number	D	D min	F	L1	A	γF°	γP°	gage insert	insert screw	Torx
right hand											
2023600	E08KSCFCR06	8	11,0	6,0	125	3,0	-12,0	0,0	CC..060204	12148036300	T8

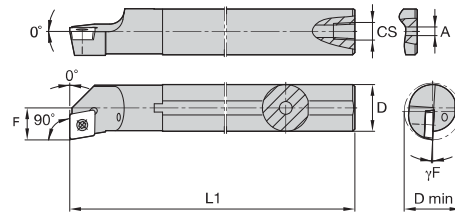
left hand											
2031019	E08KSCFCL06	8	11,0	6,0	125	3,0	-12,0	0,0	CC..060204	12148036300	T8



Steel Shank with Through Coolant



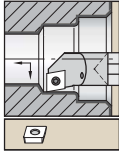
Steel shank with through coolant.
See pages B30–B46 for inserts.



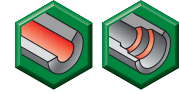
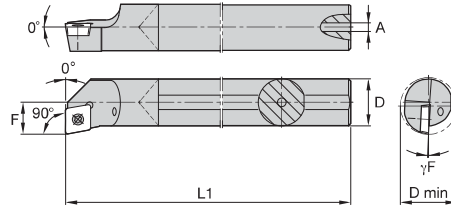
■ A-SCFP 90°

order number	catalogue number	D	D min	F	L1	A	CS	γF°	gage insert	insert screw	Torx
right hand											
5077442	A08JSCFPR06	8	11,0	6,0	110	2,4	—	-8,0	CP..0602..	MS1153	T7
5077449	A10KSCFPR06	10	13,0	7,0	125	3,2	—	-6,0	CP..0602..	MS1153	T7
5077497	A12MSCFPR06	12	16,0	9,0	150	—	1/16 - 27 NPT	-4,0	CP..0602..	MS1153	T7
5077552	A16RSCFPR06	16	20,0	11,0	200	—	1/8 - 27 NPT	-5,0	CC..0602..	MS1153	T7
5077553	A16RSCFPR09	16	20,0	11,0	200	—	1/8 - 27 NPT	-4,0	CP..09T3..	MS1155	T15
5077614	A20SSCFPR06	20	25,0	13,0	250	—	1/8 - 27 NPT	-3,0	CC..0602..	MS1153	T7
5077615	A20SSCFPR09	20	25,0	13,0	250	—	1/8 - 27 NPT	-2,0	CP..09T3..	MS1155	T15
left hand											
5077441	A08JSCFPL06	8	11,0	6,0	110	2,4	—	-8,0	CP..0602..	MS1153	T15
5077447	A10KSCFPL06	10	13,0	7,0	125	3,2	—	-6,0	CP..0602..	MS1153	T7
5077496	A12MSCFPL06	12	16,0	9,0	150	—	1/16 - 27 NPT	-4,0	CP..0602..	MS1153	T7
5077550	A16RSCFPL06	16	20,0	11,0	200	—	1/8 - 27 NPT	-5,0	CC..0602..	MS1153	T7
5077551	A16RSCFPL09	16	20,0	11,0	200	—	1/8 - 27 NPT	-4,0	CP..09T3..	MS1155	T15
5077556	A20SSCFPL06	20	25,0	13,0	250	—	1/8 - 27 NPT	-3,0	CC..0602..	MS1153	T7
5077557	A20SSCFPL09	20	25,0	13,0	250	—	1/8 - 27 NPT	-2,0	CP..09T3..	MS1155	T7





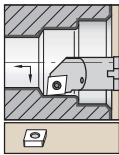
Carbide shank with through coolant.
See pages B30–B46 for inserts.



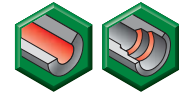
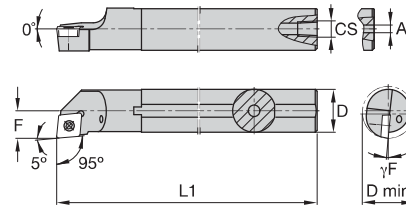
■ E-SCFP 90°

order number	catalogue number	D	D min	F	L1	A	A1	γF°	gage insert	insert screw	Torx
right hand											
2010047	E06JSCFPR04	6	8,0	4,5	110,0	2,0	1,4	-10,0	CP..04T104	12148005800	T6
5092759	E08KSCFPR06A	8	11,0	6,0	123,0	2,4	—	-8,0	CP..060204	MS1939	T7
5092921	E10MSCFPR06A	10	13,0	7,0	148,0	3,2	—	-4,0	CP..060204	MS1939	T7
5092923	E12QSCFPR06	12	16,0	9,0	177,5	4,8	—	-3,0	CP..060204	MS1153	T7
left hand											
2031018	E06JSCFPL04	6	8,0	4,5	110,0	2,0	1,4	-10,0	CP..04T104	12148005800	T6
5092757	E08KSCFPL06A	8	11,0	6,0	123,0	2,4	—	-8,0	CP..060204	MS1939	T7
5092920	E10MSCFPL06A	10	13,0	7,0	148,0	3,2	—	-4,0	CP..060204	MS1939	T7
5092922	E12QSCFPL06	12	16,0	9,0	177,5	4,8	—	-3,0	CP..060204	MS1153	T7

Steel Shank with Through Coolant



Steel shank with through coolant.
See pages B30–B46 for inserts.

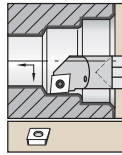


■ A-SCLC 95°

order number	catalogue number	D	D min	F	L1	A	CS	γF°	gage insert	shim	shim screw	hex	insert screw	Torx
right hand														
3883285	A08JSCLCR06	8	11,0	6,0	110	2,4	—	-8,0	CC..060204	—	—	—	MS1939	T7
3883283	A10KSCLCR06	10	13,0	7,0	125	3,2	—	-7,0	CC..060204	—	—	—	MS1153	T7
3883271	A16RSCLCR09	16	20,0	11,0	200	—	1/8-27 NPT	-7,0	CC..09T308	—	—	—	MS1155	T15
3883269	A20SSCLCR09	20	25,0	13,0	250	4,0	1/8-27 NPT	-5,0	CC..09T308	—	—	—	MS1155	T15
3883265	A25TSCLCR12	25	32,0	17,0	300	6,4	1/4-18 NPT	-7,0	CC..120408	—	—	—	MS1157	T15
3883266	A32TSCLCR12	32	40,0	22,0	300	6,4	1/4-18 NPT	-7,0	CC..120408	SKCP453	SRS4	4 mm	MS1158	T15
left hand														
3883286	A08JSCLCL06	8	11,0	6,0	110	2,4	—	-8,0	CC..060204	—	—	—	MS1939	T7
3883284	A10KSCLCL06	10	13,0	7,0	125	3,2	—	-7,0	CC..060204	—	—	—	MS1153	T7
3883272	A16RSCLCL09	16	20,0	11,0	200	4,0	1/8-27 NPT	-7,0	CC..09T308	—	—	—	MS1155	T15
3883270	A20SSCLCL09	20	25,0	13,0	250	—	1/8-27 NPT	-5,0	CC..09T308	—	—	—	MS1155	T15
3883267	A25TSCLCL12	25	32,0	17,0	300	6,4	1/4-18 NPT	-7,0	CC..120408	—	—	—	MS1157	T15
3883268	A32TSCLCL12	32	40,0	22,0	300	6,4	1/4-18 NPT	-7,0	CC..120408	SKCP453	SRS4	4 mm	MS1158	T15

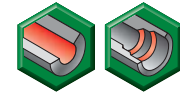
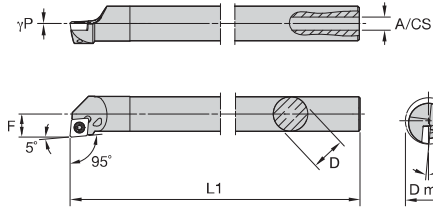
S-Style Clamping Boring Bars for Positive Inserts

Carbide Shank with Through Coolant



Carbide shank with through coolant.

See pages B30–B46 for inserts.

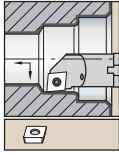


Tools for External Turning and Internal Boring

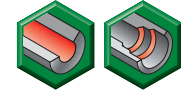
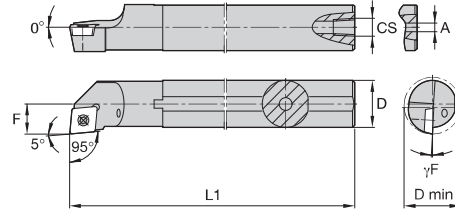
■ E-SCLC 95°



order number	catalogue number	D	D min	F	L1	A	CS	γF°	γP°	gage insert	insert screw	Torx
right hand												
2010068	E08KSCLCR06	8	11,0	6,0	125	3,0	—	-12,0	0,0	CC..060204	12148036300	T8
2023603	E08KSCLCR065	8	10,0	5,0	125	3,0	—	-15,0	0,0	CC..060204	12148036300	T8
2031021	E10MSCLCR06	10	13,0	7,0	150	3,5	—	-10,0	0,0	CC..060204	12148068700	T8
2023608	E12QSCLCR06	12	16,0	9,0	180	4,5	—	-8,0	0,0	CC..060204	12148068700	T8
2010139	E16RSCLCR09	16	20,0	11,0	200	4,5	—	-7,0	0,0	CC..090308	12148038800	T15
2023614	E16RSCLCR09T3	16	20,0	11,0	200	4,5	—	-7,0	0,0	CC..09T308	12148038800	T15
2023621	E20SSCLCR09	20	25,0	13,0	250	—	G 1/8	-5,0	0,0	CC..090308	12148038800	T15
2010184	E20SSCLCR09T3	20	25,0	13,0	250	—	G 1/8	-5,0	0,0	CC..09T308	12148038800	T15
2031029	E25TSCLCR09	25	32,0	17,0	300	—	G 1/4	-3,0	0,0	CC..090308	12148038800	T15
2010224	E25TSCLCR09T3	25	32,0	17,0	300	—	G 1/4	-3,0	0,0	CC..09T308	12148038800	T15
2023632	E32USCLCR12	32	40,0	22,0	350	—	G 1/4	-10,0	0,0	CC..120408	MS2260	T20
left hand												
2023601	E08KSCLCL06	8	11,0	6,0	125	3,0	—	-12,0	0,0	CC..060204	12148036300	T8
2031020	E08KSCLCL065	8	10,0	5,0	125	3,0	—	-15,0	0,0	CC..060204	12148036300	T8
2031022	E10MSCLCL06	10	13,0	7,0	150	3,5	—	-10,0	0,0	CC..060204	12148036300	T8
2023607	E12QSCLCL06	12	16,0	9,0	180	4,5	—	-8,0	0,0	CC..060204	12148068700	T8
2023613	E16RSCLCL09	16	20,0	11,0	200	4,5	—	-7,0	0,0	CC..090308	12148038800	T15
2023615	E16RSCLCL09T3	16	20,0	11,0	200	4,5	—	-7,0	0,0	CC..09T308	12148038800	T15
2031026	E20SSCLCL09	20	25,0	13,0	250	—	G 1/8	-5,0	0,0	CC..090308	12148038800	T15
2031027	E20SSCLCL09T3	20	25,0	13,0	250	—	G 1/8	-5,0	0,0	CC..09T308	12148038800	T15
2010215	E25TSCLCL09	25	32,0	17,0	300	—	G 1/4	-3,0	0,0	CC..090308	12148038800	T15
2031028	E25TSCLCL09T3	25	32,0	17,0	300	—	G 1/4	-3,0	0,0	CC..09T308	12148038800	T15



Steel shank with through coolant.
See pages B30–B46 for inserts.



■ A-SCLP 95°

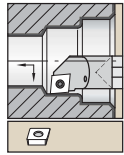
order number	catalogue number	D	D min	F	L1	A	CS	γF°	gage insert	insert screw	Torx
right hand											
5077640	A08JSCLPR06	8	11,0	6,0	110	2,4	—	-6.0	CP..0602..	MS1939	T7
5077645	A10KSCLPR06	10	13,0	7,0	125	3,2	—	-4.0	CP..0602..	MS1939	T7
5077681	A12MSCLPR06	12	16,0	9,0	150	4,0	—	-3.0	CP..0602..	MS1153	T7
5077694	A16RSCLPR06	16	20,0	11,0	200	—	1/8 - 27 NPT	-5.0	CC..0602..	MS1153	T7
5077695	A16RSCLPR09	16	20,0	11,0	200	4,0	1/8 - 27 NPT	-4.0	CP..09T308	MS1155	T15
5077722	A20SSCLPR09	20	25,0	13,0	250	—	1/8 - 27 NPT	-2.0	CP..09T3..	MS1155	T15
left hand											
5077619	A08JSCLPL06	8	11,0	6,0	110	2,4	—	-6.0	CP..0602..	MS1939	T7
5077644	A10KSCLPL06	10	13,0	7,0	125	3,2	—	-4.0	CP..0602..	MS1939	T7
5077680	A12MSCLPL06	12	16,0	9,0	150	4,0	—	-3.0	CP..0602..	MS1153	T7
5077688	A16RSCLPL06	16	20,0	11,0	200	—	1/8 - 27 NPT	-5.0	CC..0602..	MS1153	T7
5077692	A16RSCLPL09	16	20,0	11,0	200	—	1/8 - 27 NPT	-4.0	CP..09T3..	MS1155	T15
5077721	A20SSCLPL09	20	25,0	13,0	250	—	1/8 - 27 NPT	-2.0	CP..09T3..	MS1155	T15



Tools for External Turning and Internal Boring

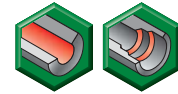
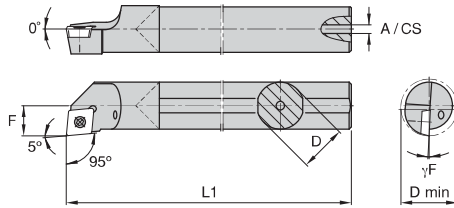
S-Style Clamping Boring Bars for Positive Inserts

Carbide Shank with Through Coolant



Carbide shank with through coolant.

See pages B30–B46 for inserts.

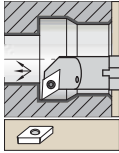


Tools for External Turning and Internal Boring

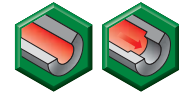
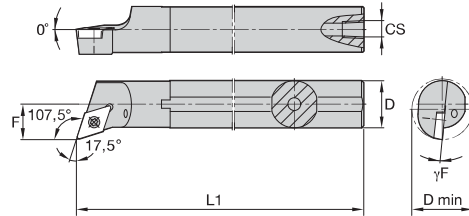
■ E-SCLP 95°



order number	catalogue number	D	D min	F	L1	A	γF°	gage insert	insert screw	Torx
right hand										
2023598	E06JSCLPR04	6	8,0	4,5	110	2,0	-10,0	CP..04T104	12148005800	T6
5093094	E08KSCLPR06A	8	11,0	6,0	122	2,4	-6,0	CP..060204	MS1939	T7
5093098	E10MSCLPR06A	10	13,0	7,0	149	3,2	-4,0	CP..060204	MS1939	T7
5093144	E12QSCLPR06	12	16,0	9,0	178	4,8	-3,0	CP..060204	MS1153	T7
5093181	E16RSCLPR09	16	20,0	11,0	201	5,5	-4,0	CP..09T308	MS1155	T15
5093185	E20SSCLPR09	20	25,0	13,0	250	7,1	-2,0	CP..09T308	MS1155	T15
left hand										
2023597	E06JSCLPL04	6	8,0	4,5	110	2,0	-10,0	CP..04T104	12148005800	T6
5093093	E08KSCLPL06A	8	11,0	6,0	122	2,4	-6,0	CP..060204	MS1939	T7
5093097	E10MSCLPL06A	10	13,0	7,0	149	3,2	-4,0	CP..060204	MS1939	T7
5093143	E12QSCLPL06	12	16,0	9,0	178	4,8	-3,0	CP..060204	MS1153	T7
5093149	E16RSCLPL09	16	20,0	11,0	201	5,5	-4,0	CP..09T308	MS1155	T15
5093184	E20SSCLPL09	20	25,0	13,0	250	7,1	-2,0	CP..09T308	MS1155	T15



Steel shank with through coolant.
See pages B47–B64 for inserts.



■ A-SDQC 107,5°

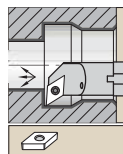
order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	insert screw	Torx
right hand										
3883476	A16RSDQCR07	16	20,0	11,0	200	1/8-27 NPT	-5.0	DC..070204	MS1153	T7
3883474	A20SSDQCR11	20	25,0	13,0	250	1/8-27 NPT	-5.0	DC..11T308	MS1155	T15
3883462	A25TSDQCR11	25	32,0	17,0	300	1/4-18 NPT	-4.0	DC..11T308	MS1155	T15
left hand										
3883477	A16RSDQCL07	16	20,0	11,0	200	1/8-27 NPT	-5.0	DC..070204	MS1153	T7
3883475	A20SSDQCL11	20	25,0	13,0	250	1/8-27 NPT	-5.0	DC..11T308	MS1155	T15
3883473	A25TSDQCL11	25	32,0	17,0	300	1/4-18 NPT	-4.0	DC..11T308	MS1155	T15



Tools for External Turning and Internal Boring

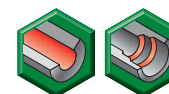
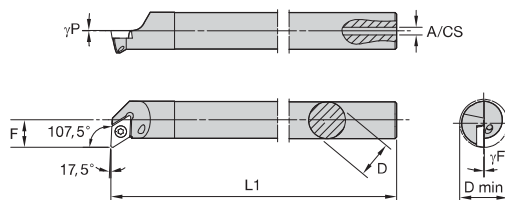
S-Style Clamping Boring Bars for Positive Inserts

Carbide Shank with Through Coolant



Carbide shank with through coolant.

See pages B47–B64 for inserts.



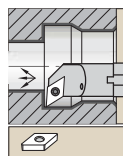
Tools for External Turning and Internal Boring

■ E-SDQC 107,5°

order number	catalogue number	D	D min	F	L1	A	CS	γF°	γP°	gage insert	insert screw	Torx
right hand												
2010111	E12QSDQCR07	12	16,0	9,0	180	4,5	—	-7.0	0.0	DC..070204	12148080000	T8
2031025	E16RSDQCR07	16	20,0	11,0	200	5,5	—	-5.0	0.0	DC..070204	12148080000	T8
2023623	E20SSDQCR11	20	25,0	13,0	250	—	G 1/8	-7.0	0.0	DC..11T308	12148038800	T15
left hand												
2031023	E12QSDQCL07	12	16,0	9,0	180	4,5	—	-7.0	0.0	DC..070204	12148080000	T8
2010148	E16RSDQCL07	16	20,0	11,0	200	5,5	—	-5.0	0.0	DC..070204	12148080000	T8
2023622	E20SSDQCL11	20	25,0	13,0	250	—	G 1/8	-7.0	0.0	DC..11T308	12148038800	T15

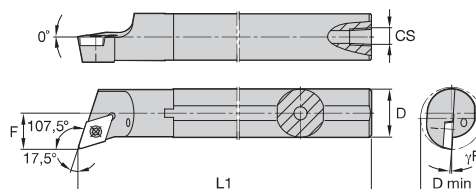


Steel Shank with Through Coolant



Steel shank with through coolant.

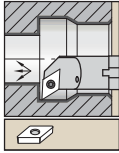
See pages B47–B64 for inserts.



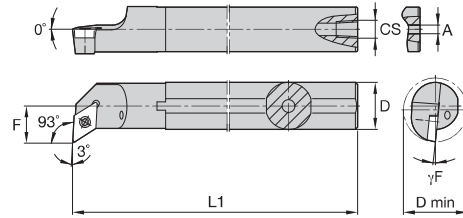
■ A-SDQP

order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	insert screw	Torx
right hand										
5078292	A12MSDQPR07	12	16,0	9,0	150	1/16-27 NPT	2.0	DP..0702..	MS1153	T7
5078295	A16RSDQPR07	16	20,0	11,0	200	1/8-27 NPT	0.0	DP..0702..	MS1153	T7
5078298	A20SSDQPR11	20	25,0	13,0	250	1/8-27 NPT	2.0	DP..11T3..	MS1155	T15
5078320	A25TSDQPR11	25	32,0	17,0	300	1/4-18 NPT	0.0	DP..11T3..	MS1155	T15
left hand										
5078291	A12MSDQPL07	12	16,0	9,0	150	1/16-27 NPT	2.0	DP..0702..	MS1153	T7
5078293	A16RSDQPL07	16	20,0	11,0	200	1/8-27 NPT	0.0	DP..0702..	MS1153	T7
5078296	A20SSDQPL11	20	25,0	13,0	250	1/8-27 NPT	2.0	DP..11T3..	MS1155	T15
5078299	A25TSDQPL11	25	32,0	17,0	300	1/4-18 NPT	0.0	DP..11T3..	MS1155	T15





Steel shank with through coolant.
See pages B47–B64 for inserts.



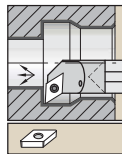
■ A-SDUC 93°

order number	catalogue number	D	D min	F	L1	A	CS	γF°	gage insert					
										shim	shim screw	hex	insert screw	Torx
right hand														
3883297	A10KSDUCR07	10	13,0	7,0	125	3,2	—	-7,0	DC..070204	—	—	—	MS1153	T7
3883294	A16RSDUCR07	16	20,0	11,0	200	—	1/8-27 NPT	-4,0	DC..070204	—	—	—	MS1153	T7
3883293	A16RSDUCR11	16	20,0	11,0	200	—	1/8-27 NPT	-6,0	DC..11T308	—	—	—	MS1155	T15
3883291	A20SSDUCR11	20	25,0	13,0	250	—	1/8-27 NPT	-5,0	DC..11T308	—	—	—	MS1155	T15
3883288	A25TSDUCR11	25	32,0	17,0	300	—	1/8-27 NPT	-4,0	DC..11T308	—	—	—	MS1155	T15
3883287	A32TSDUCR15	32	40,0	22,0	300	—	1/8-27 NPT	-7,0	DC..150408	SKDP453	SRS4	4 mm	MS1158	T15
left hand														
3883298	A10KSDUCL07	10	13,0	7,0	125	3,2	—	-7,0	DC..070204	—	—	—	MS1153	T7
3883296	A16RSDUCL07	16	20,0	11,0	200	—	1/8-27 NPT	-4,0	DC..070204	—	—	—	MS1153	T7
3883295	A16RSDUCL11	16	20,0	11,0	200	—	1/8-27 NPT	-6,0	DC..11T308	—	—	—	MS1155	T15
3883292	A20SSDUCL11	20	25,0	13,0	250	—	1/8-27 NPT	-5,0	DC..11T308	—	—	—	MS1155	T15
3883290	A25TSDUCL11	25	32,0	17,0	300	—	1/8-27 NPT	-4,0	DC..11T308	—	—	—	MS1155	T15
3883289	A32TSDUCL15	32	40,0	22,0	300	—	1/8-27 NPT	-7,0	DC..150408	SKDP453	SRS4	4 mm	MS1158	T15

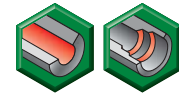
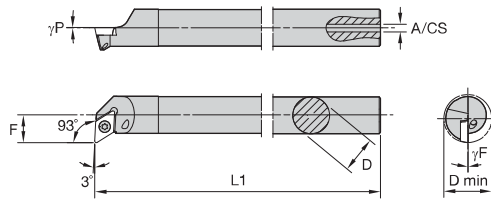
Tools for External Turning and Internal Boring

S-Style Clamping Boring Bars for Positive Inserts

Carbide Shank with Through Coolant



Carbide shank with through coolant.



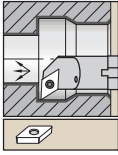
Tools for External Turning and Internal Boring

See pages B47–B64 for inserts.

■ E-SDUC 93°

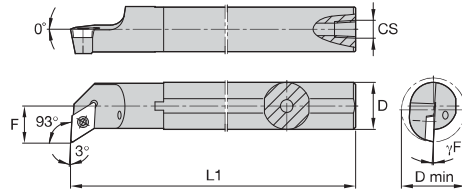
order number	catalogue number	D	D min	F	L1	A	CS	γF°	γP°	gage insert	insert screw	Torx
right hand												
2023611	E12QSDUCR07	12	16,0	9,0	180	4,5	—	-7.0	0.0	DC..070204	12148068700	T8
2010157	E16RSDUCR07	16	20,0	11,0	200	4,5	—	-5.0	0.0	DC..070204	12148080000	T8
2023624	E20SSDUCR11	20	25,0	13,0	250	—	G 1/8	-7.0	0.0	DC..11T308	12148038800	T15
2023630	E25TSDUCR11	25	32,0	17,0	300	—	G 1/4	-5.0	0.0	DC..11T308	12148038800	T15
left hand												
2023610	E12QSDUCL07	12	16,0	9,0	180	4,5	—	-7.0	0.0	DC..070204	12148068700	T8
2023617	E16RSDUCL07	16	20,0	11,0	200	4,5	—	-5.0	0.0	DC..070204	12148080000	T8
2010193	E20SSDUCL11	20	25,0	13,0	250	—	G 1/8	-7.0	0.0	DC..11T308	12148038800	T15
2023629	E25TSDUCL11	25	32,0	17,0	300	—	G 1/4	-5.0	0.0	DC..11T308	12148038800	T15





Steel shank with through coolant.

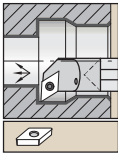
See pages B47–B64 for inserts.



■ A-SDUP 93°

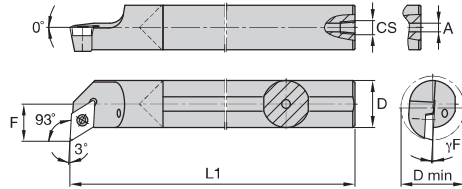
order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	insert screw	Torx
right hand										
5078360	A12MSDUPR07	12	16,0	9,0	150	1/16-27 NPT	-2,0	DP..070204	MS1153	T7
5078364	A16RSDUPR07	16	20,0	11,0	200	1/8-27 NPT	0,0	DP..070204	MS1153	T7
5078368	A20SSDUPR11	20	25,0	13,0	250	1/8-27 NPT	-2,0	DP..11T308	MS1155	T15
5078376	A25TSDUPR11	25	32,0	17,0	300	1/4-18 NPT	0,0	DP..11T308	MS1155	T15
left hand										
5078329	A12MSDUPL07	12	16,0	9,0	150	1/16-27 NPT	-2,0	DP..070204	MS1153	T7
5078363	A16RSDUPL07	16	20,0	11,0	200	1/8-27 NPT	0,0	DP..070204	MS1153	T7
5078367	A20SSDUPL11	20	25,0	13,0	250	1/8-27 NPT	-2,0	DP..11T308	MS1155	T15
5078375	A25TSDUPL11	25	32,0	17,0	300	1/4-18 NPT	0,0	DP..11T308	MS1155	T15

Carbide Shank with Through Coolant



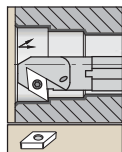
Carbide shank with through coolant.

See pages B47–B64 for inserts.



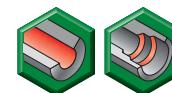
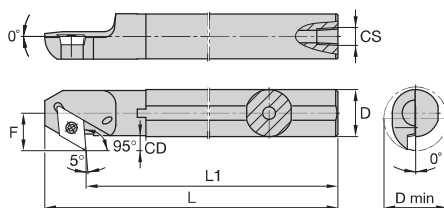
■ E-SDUP 93°

order number	catalogue number	D	D min	F	L1	A	γF°	gage insert	insert screw	Torx
right hand										
5093591	E12QSDUPR07	12	16,0	9,0	179	4,8	-2,0	DP..070204	MS1153	T7
5093634	E16RSDUPR07	16	20,0	11,0	199	5,5	0,0	DP..070204	MS1153	T7
5093639	E20SSDUPR11	20	25,0	13,0	253	7,1	-2,0	DP..11T308	MS1155	T15
left hand										
5093429	E12QSDUPL07	12	16,0	9,0	179	4,8	-2,0	DP..070204	MS1153	T7
5093633	E16RSDUPL07	16	20,0	11,0	199	5,5	0,0	DP..070204	MS1153	T7
5093638	E20SSDUPL11	20	25,0	13,0	253	7,1	-2,0	DP..11T308	MS1155	T15



Steel shank with through coolant.

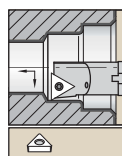
See pages B47–B64 for inserts.



Tools for External Turning and Internal Boring

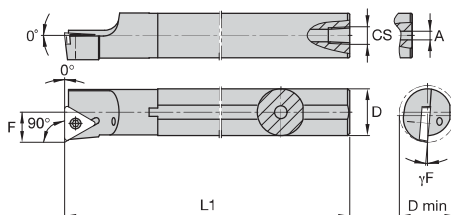
■ **A-SDXP 95°**

order number	catalogue number	D	D min	F	L1	L	CD	CS	gage insert	insert screw	Torx
right hand											
5078401	A12MSDXPR07	12	16,0	9,0	150	162,0	3,09	1/16-27 NPT	DP..070204	MS1153	T7
5078405	A16RSDXPR07	16	20,0	11,0	200	212,0	3,20	1/8-27 NPT	DP..070204	MS1153	T7
5078430	A20SSDXPR11	20	25,0	13,0	250	270,0	4,31	1/8-27 NPT	DP..11T308	MS1155	T15
left hand											
5078400	A12MSDXPL07	12	16,0	9,0	150	162,0	3,09	1/16-27 NPT	DP..070204	MS1153	T7
5078404	A16RSDXPL07	16	20,0	11,0	200	212,0	3,20	1/8-27 NPT	DP..070204	MS1153	T7
5078409	A20SSDXPL11	20	25,0	13,0	250	270,0	4,31	1/8-27 NPT	DP..11T308	MS1155	T15



Steel shank with through coolant.

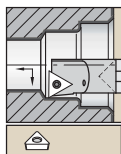
See pages B81–B93 for inserts.



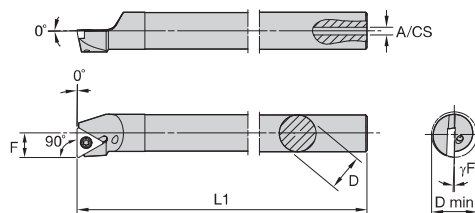
■ **A-STFC 90°**

order number	catalogue number	D	D min	F	L1	A	γF°	gage insert	insert screw	Torx	
right hand											
3883382	A10KSTFCR11	10	13,0	7,0	125	3,2	-7,0	TC..110204	MS1153	T7	
left hand											
3883443	A10KSTFCL11	10	13,0	7,0	125	3,2	-7,0	TC..110204	MS1153	T7	





Carbide shank with through coolant.
See pages B81–B93 for inserts.

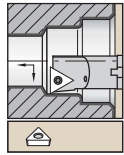


■ E-STFC 90°

order number	catalogue number	D	D min	F	L1	A	CS	γF°	gage insert	insert screw	Torx
right hand											
2031888	E10MSTFCR11	10	13,0	7,0	150	3,5	—	-10,0	TC..110204	12148068700	T8
2031024	E12QSTFCR11	12	16,0	9,0	180	4,5	—	-8,0	TC..110204	12148068700	T8
2010174	E16RSTFCR16	16	20,0	11,0	200	4,5	—	-9,0	TC..16T308	12148038800	T15
2023626	E20SSTFCR16	20	25,0	13,0	250	—	G 1/8	-7,0	TC..16T308	12148038800	T15
2023631	E25TSTFCR16	25	32,0	17,0	300	—	G 1/4	-5,0	TC..16T308	12148038800	T15
left hand											
2010090	E10MSTFCL11	10	13,0	7,0	150	3,5	—	-10,0	TC..110204	12148068700	T8
2010120	E12QSTFCL11	12	16,0	9,0	180	4,5	—	-8,0	TC..110204	12148068700	T8
2023618	E16RSTFCL16	16	20,0	11,0	200	4,5	—	-9,0	TC..16T308	12148038800	T15
2023625	E20SSTFCL16	20	25,0	13,0	250	—	G 1/8	-7,0	TC..16T308	12148038800	T15
2010233	E25TSTFCL16	25	32,0	17,0	300	—	G 1/4	-5,0	TC..16T308	12148038800	T15

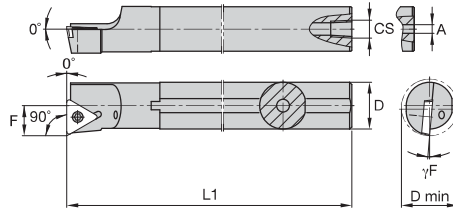


Tools for External Turning and Internal Boring




Steel shank with through coolant.

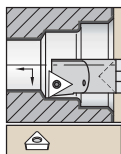
See pages B81–B93 for inserts.



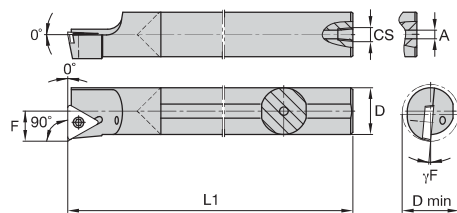
Tools for External Turning and Internal Boring

■ **A-STFP 90°**


order number	catalogue number	D	D min	F	L1	A	CS	γF°	gage insert	insert screw	Torx
											
right hand											
5086726	A08JSTFPR09	8	11,0	6,0	110	—	—	-8,0	TP..090204	MS1933	T7
3883446	A10KSTFPR11	10	13,0	7,0	125	3,2	—	-4,0	TP..110204	MS1153	T7
5086802	A12MSTFPR11	12	16,0	9,0	150	4,0	—	-2,0	TP..110204	MS1153	T7
3883444	A16RSTFPR11	16	20,0	11,0	200	—	1/16-27 NPT	0,0	TP..110204	MS1153	T7
5086807	A20SSTFPR16	20	25,0	13,0	250	—	—	-2,0	TP..16T308	MS1155	T15
5086809	A25TSTFPR16	25	32,0	17,0	300	6,4	1/4-18 NPT	0,0	TP..16T308	MS1155	T15
left hand											
5086724	A08JSTFPL09	8	11,0	6,0	110	—	—	-8,0	TP..090204	MS1933	T7
3883447	A10KSTFPL11	10	13,0	7,0	125	3,2	—	-4,0	TP..110204	MS1153	T7
5086800	A12MSTFPL11	12	16,0	9,0	150	4,0	—	-2,0	TP..110204	MS1153	T7
3883445	A16RSTFPL11	16	20,0	11,0	200	—	1/16-27 NPT	0,0	TP..110204	MS1153	T7
5086806	A20SSTFPL16	20	25,0	13,0	250	—	—	-2,0	TP..16T308	MS1155	T15
5086808	A25TSTFPL16	25	32,0	17,0	300	6,4	1/4-18 NPT	0,0	TP..16T308	MS1155	T15

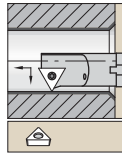


Carbide shank with through coolant.
See pages B81–B93 for inserts.



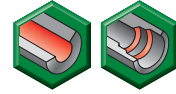
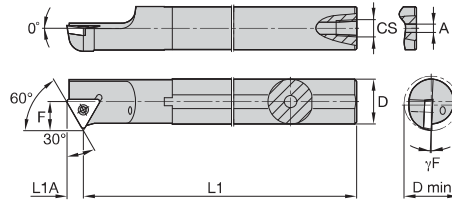
■ E-STFP 90°

order number	catalogue number	D	D min	F	L1	A	γF°	gage insert	insert screw	Torx
										
right hand										
5093696	E08KSTFPR09A	8	11,0	6,0	124	2,4	-6,0	TP..090204	MS1933	T7
5093750	E10MSTFPR11A	10	13,0	7,0	152	3,2	-4,0	TP..110204	MS1153	T7
5093755	E12QSTFPR11	12	16,0	9,0	181	4,8	-2,0	TP..110204	MS1153	T7
5093759	E16RSTFPR11	16	20,0	11,0	201	5,5	0,0	TP..110204	MS1153	T7
5093773	E20SSTFPR16	20	25,0	13,0	251	7,1	-2,0	TP..16T308	MS1155	T15
left hand										
5093694	E08KSTFPL09A	8	11,0	6,0	124	2,4	-6,0	TP..090204	MS1933	T7
5093699	E10MSTFPL11A	10	13,0	7,0	152	3,2	-4,0	TP..110204	MS1153	T7
5093754	E12QSTFPL11	12	16,0	9,0	181	4,8	-2,0	TP..110204	MS1153	T7
5093758	E16RSTFPL11	16	20,0	11,0	201	5,5	0,0	TP..110204	MS1153	T7
5093772	E20SSTFPL16	20	25,0	13,0	251	7,1	-2,0	TP..16T308	MS1155	T15



Steel shank with through coolant.

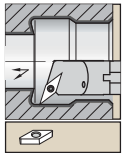
See pages B81–B93 for inserts.



Tools for External Turning and Internal Boring

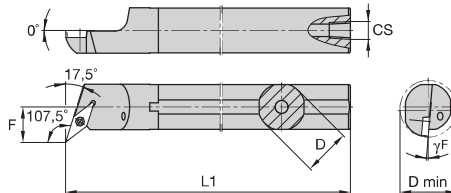
■ **A-STWP 60°**

order number	catalogue number	D	D min	F	L1	L1A	A	γF°	gage insert	insert screw	Torx
right hand											
5086811	A12MSTWPR11	12	16,0	9,0	150	—	—	-2,0	TP..110204	MS1153	T7
5086813	A16RSTWPR11	16	20,0	11,0	200	—	—	-2,0	TP..110204	MS1153	T7
left hand											
3883449	A10KSTWPL11	10	13,0	7,0	125	5,0	3,2	-4,0	TP..110204	MS1153	T7
5086810	A12MSTWPL11	12	16,0	9,0	150	—	—	-2,0	TP..110204	MS1153	T7
5086812	A16RSTWPL11	16	20,0	11,0	200	—	—	-2,0	TP..110204	MS1153	T7



Steel shank with through coolant.

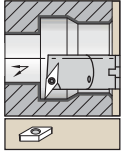
See pages B94–B99 for inserts.



■ **A-SVQB 107,5°**

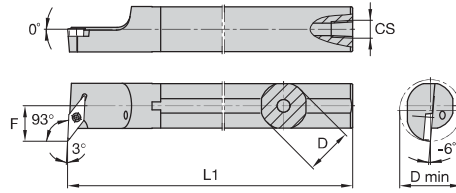
order number	catalogue number	D	D min	F	L1	CS	γF°	gage insert	insert screw	Torx	
right hand											
3883436	A16RSVQBR11	16	20,0	11,0	200	1/8-27 NPT	-7,0	VB..110304	MS1153	T7	
3883434	A25TSVQBR16	25	32,0	17,0	300	1/4-18 NPT	-6,0	VB..160408	MS1155	T15	
left hand											
3883435	A25TSVQBL16	25	32,0	17,0	300	1/4-18 NPT	-6,0	VB..160408	MS1155	T15	





Steel shank with through coolant.

See pages B94–B99 for inserts.



■ A-SVUB 93°

order number	catalogue number	D	D min	F	L1	CS	gage insert	insert screw	Torx
right hand									
3883440	A20SSVUBR11	20	25,0	13,0	250	1/8-27 NPT	VB..110304	MS1153	T7
3883438	A25TSVUBR16	25	32,0	17,0	300	1/4-18 NPT	VB..160408	MS1155	T15
left hand									
3883439	A25TSVUBL16	25	32,0	17,0	300	1/4-18 NPT	VB..160408	MS1155	T15



Tools for External Turning and Internal Boring